

Boone County Road & Bridge 2024 Annual Report



*A cooperative effort between
the Engineering Division of
Resource Management and
Road & Bridge*

Mission Statement

To provide a safe and modern transportation network constructed and maintained in a fiscally sound and environmentally responsible manner that is effectively coordinated with city, state and federal agencies.

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Letter from the Chief Engineer

Dear Boone County Commissioners and Boone County Residents,

The Boone County Resource Management Engineering Division is pleased to present our Annual Report as required by RSMo Section 61.091; which highlights major activities and accomplishments for fiscal year 2024 as well as our 2025 work plan. Our mission is to maintain and improve the County's 777 mile road network and associated drainage structures. We remain confident that our proactive approach and data-driven programs are the core reasons for our success.

The implementation and renewal of the 1/2 of one percent sales tax dedicated for the purpose of constructing, improving and maintaining county roads, bridges and right of ways is essential to our ability to undertake the Rural Gravel Road Paving Program. We would not be able to provide this service with funding solely from property taxes.

The dedication of our employees and their ability to communicate and coordinate with each other and the Road and Bridge employees is the key to our accomplishments. Together, we will continue to provide a safe, modern, and well maintained transportation system while serving the citizens of Boone County with excellence and integrity.

Thank you for the continued support and the opportunity to serve.

Respectfully,

Jeff McCann, P.E.

Chief Engineer



Requirement #1

Fiscal Year 2024

Expenses

Report the money expended for construction, repair and maintenance of such roads, highways, bridges and culverts during the preceding year.

FY 2024 Expenses

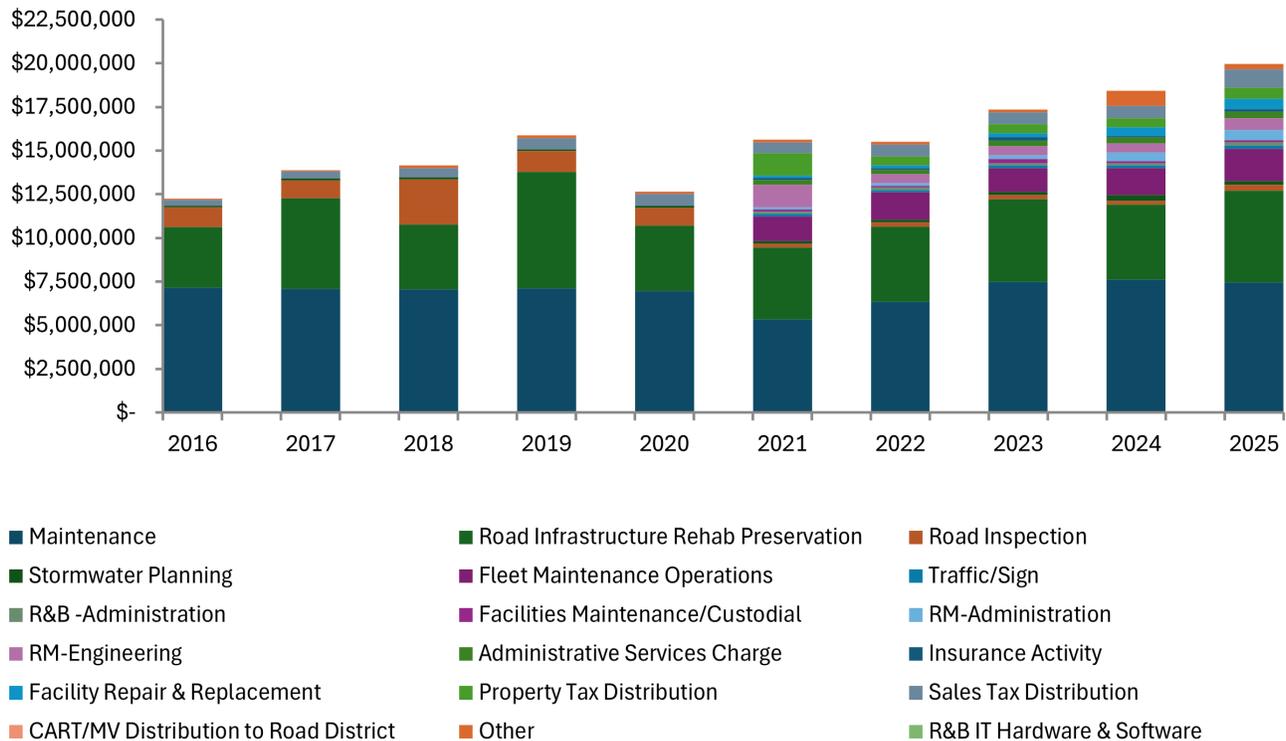
Road & Bridge Expenditures Yearly Comparison

	2016	2017	2018	2019	2020
	Actual	Actual	Actual	Actual	Actual
Maintenance	\$ 7,136,781	\$ 7,095,987	\$ 7,063,077	\$ 7,128,059	\$ 6,960,412
Road Infrastructure Rehab Preservation	3,488,468	5,171,587	3,706,517	6,646,329	3,741,156
Road Inspection	1,122,565	1,037,361	2,586,288	1,195,385	1,022,210
Stormwater Planning	115,563	117,043	114,620	110,767	114,628
Administrative Services Charge	329,163	405,000	538,000	630,000	675,000
Insurance Activity	10,870	8,647	44,941	23,862	1,782
Facility Repair & Replacement	50,000	50,000	150,000	150,000	150,000
Property Tax Distribution	247,149	258,052	264,403	271,372	279,453
Sales Tax Distribution	2,680,370	2,739,268	2,718,437	2,757,898	2,745,457
CART/MV Distribution to Road District	87,494	89,271	88,168	89,095	86,126
Other	13,246	6,487	131,927	158,964	182,193
Total	\$ 15,281,669	\$ 16,978,703	\$ 17,406,378	\$ 19,161,731	\$ 15,958,417
	2021	2022	2023	2024	2025
	Actual	Actual	Actual	Estimated	Budget
Maintenance	\$ 5,330,388	\$ 6,337,319	\$ 7,485,416	\$ 7,623,219	\$ 7,449,504
Road Infrastructure Rehab Preservation	4,120,555	4,322,611	4,726,786	4,294,038	5,275,000
Road Inspection	227,413	235,871	264,548	199,681	330,611
Stormwater Planning	138,760	157,422	173,391	339,668	222,512
Fleet Maintenance Operations	1,421,767	1,553,367	1,343,804	1,538,001	1,829,919
Traffic/Sign	139,377	142,608	148,666	145,343	179,916
R&B -Administration	288,251	232,702	303,373	321,537	390,576
Facilities Management/Custodial	121,163	97,267	218,709	121,859	129,499
RM-Administration	132,290	165,661	221,644	470,662	592,876
RM-Engineering	1,271,067	515,761	521,086	538,140	661,015
R&B IT Hardware & Software	-	74,696	63,501	115,533	82,387
Administrative Services Charge	615,030	675,000	690,000	690,000	1,025,410
Insurance Activity	372,726	170,951	195,660	245,688	313,594
Facility Repair & Replacement	150,000	150,000	150,000	872,000	302,200
Property Tax Distribution	290,722	283,303	326,402	350,891	357,909
Sales Tax Distribution	2,784,609	3,194,628	3,407,098	3,506,888	3,615,000
CART/MV Distribution to Road District	94,351	106,787	122,572	108,750	108,750
Other	8,075	9,401	8,765	309,315	310,000
Total	\$ 17,506,544	\$ 18,425,355	\$ 20,371,421	\$ 21,791,213	\$ 23,176,678

Amounts shown above, and on the next page, are actual dollars spent 2016 through 2023, projected dollars spent for 2024 and budgeted dollars for 2025.

FY 2024 Expenses

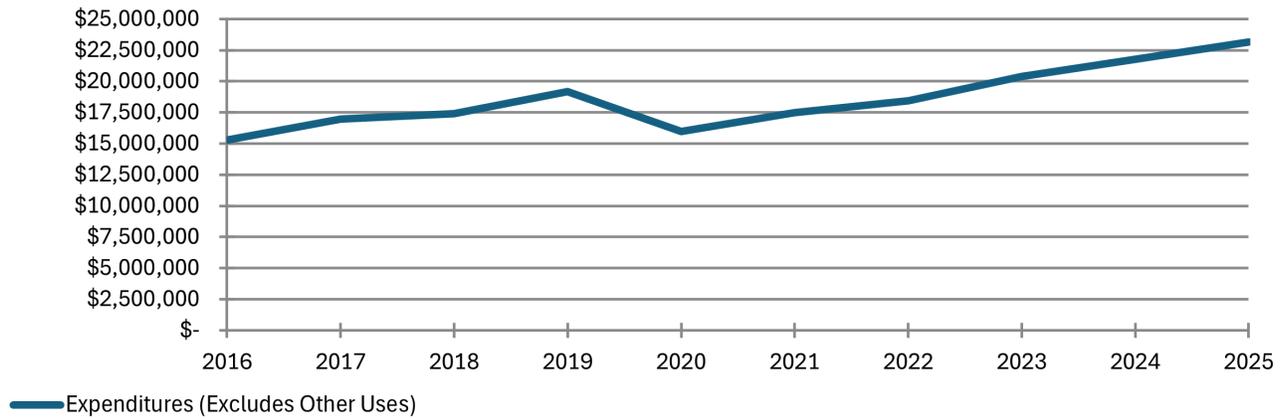
Expenditures by Function - Road & Bridge



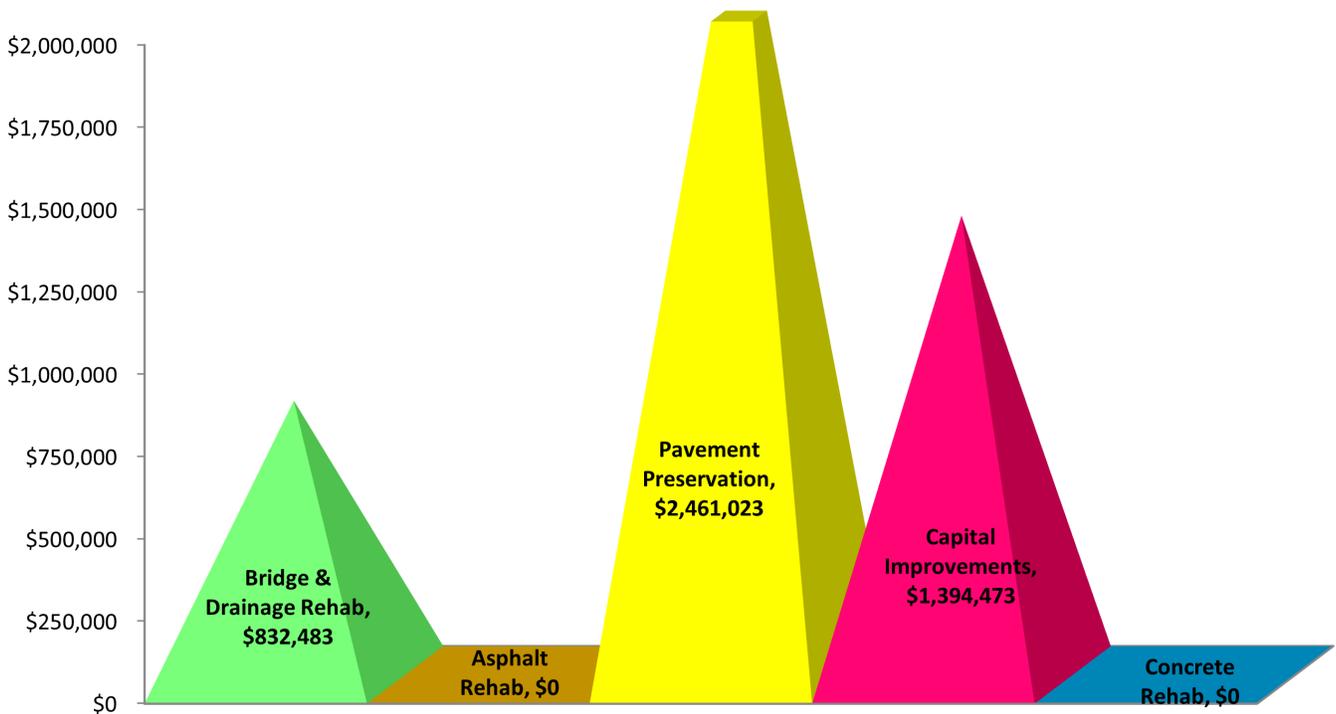
- ◆ 2019 Infrastructure Preservation & Rehab funding increased for the El Chaparral Concrete Rehab project
- ◆ 2020 Infrastructure Preservation & Rehab funding increased for County participation in the replacement of the I-70 bridge at Rocheport
- ◆ 2021 Infrastructure Preservation & Rehab funding appears to be larger than normal due to re-appropriation of 2020 budgeted funds for planned projects that were postponed.

FY 2024 Expenses

Expenditures - Road & Bridge

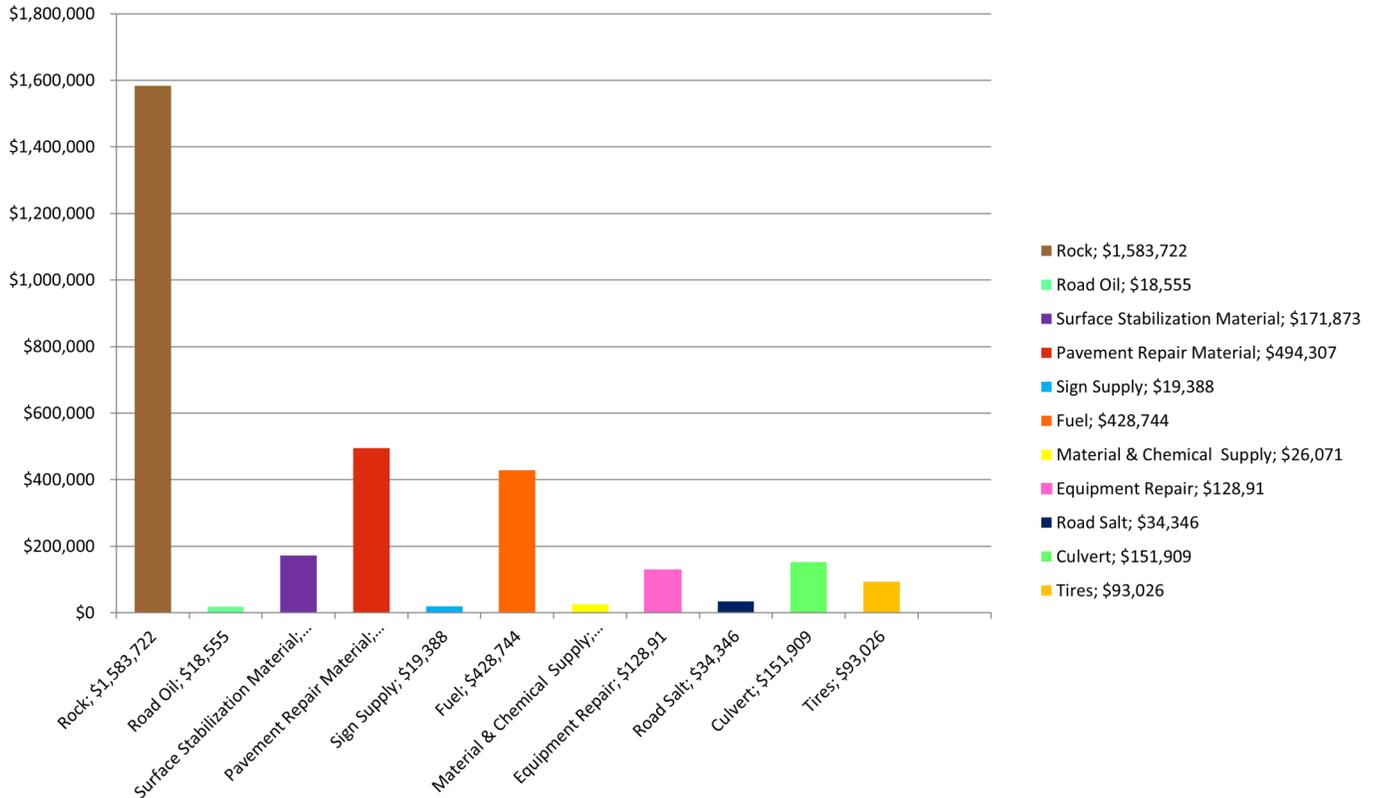


Program Expenses 2024



FY 2024 Expenses

Road & Bridge Major Supplies Expenses 2024



FY 2024 Project Money Expended

Pavement Preservation

Preserve: to keep safe from destruction

Webster's Collegiate Dictionary 10th edition

**Pavement Preservation is the
application of
*the right treatment,
to the right pavement,
at the right time.***

The philosophy of pavement preservation is to perform lower cost maintenance applications to roads while they are in excellent or good status to keep them in good condition, rather than performing higher cost treatments to roads in a worse state of repair. By applying this management strategy, Boone County protects the investment made in paved roads, extends the life of paved roads, and avoids more costly reconstruction remedies. Using a prescribed cycle of asphalt overlay, and preservation chip seal maintenance techniques, Boone County has consistently maintained ratings of our paved roads at a good or better condition within a two-million-dollar budget even though product prices have increased significantly from 2011 to 2023. This is evidence our approach to maintaining roads works! In 2024 and 2025 chip seal roads previously budgeted in the Road and Bridge maintenance department were rolled into the Resource Management Pavement Preservation program thus increasing the budget for this program to \$2.8 million.

FY 2024 Project Money Expended

Preservation Chip Seal

Project Overview:

* A preventative maintenance procedure that typically consists of applying a combination of rock chips and an asphalt emulsion oil to recently overlaid or constructed roads.

Project Explanation:

- ◆ Preservation Chip Seals are performed on roads in excellent condition, typically within 2-3 years of being constructed or receiving an asphalt overlay. The heavy application of asphalt emulsion oil and hard rock chips creates a very robust barrier between the pavement and the environment, limiting the deteriorating effects of sunlight and moisture to the road. The chips used in this process (Iron Mountain Trap Rock) are a very hard, durable rock which provides a wearing surface and traction to the roads.

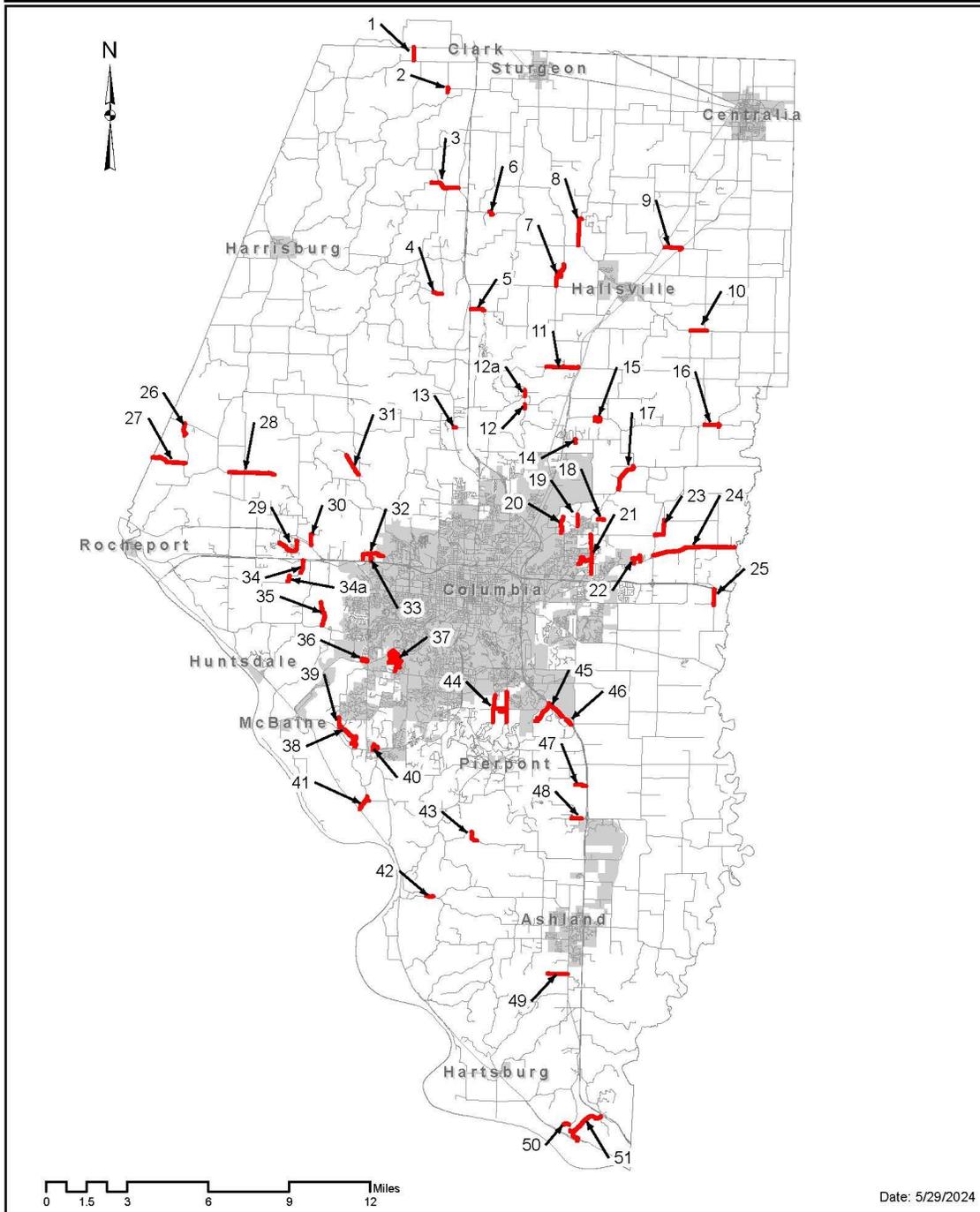
2024 Preservation Chip Seal

- ◆ Covered 567,224 Square Yards
- ◆ 230,720 Linear Feet or 43.7 Centerline miles
 - ◆ Total Construction Cost \$1,910,348.37
 - ◆ Cost per Square Yard \$3.37
 - ◆ Cost per Centerline Mile \$43,715.07

FY 2024 Project Money Expended



Boone County 2024 Preservation Chip Seal



FY 2024 Project Money Expended

Asphalt Overlay

Project Overview:

- ◆ A preventative maintenance technique which typically involves applying 2” of new asphalt mix to roads showing moderate distress.

Project Explanation:

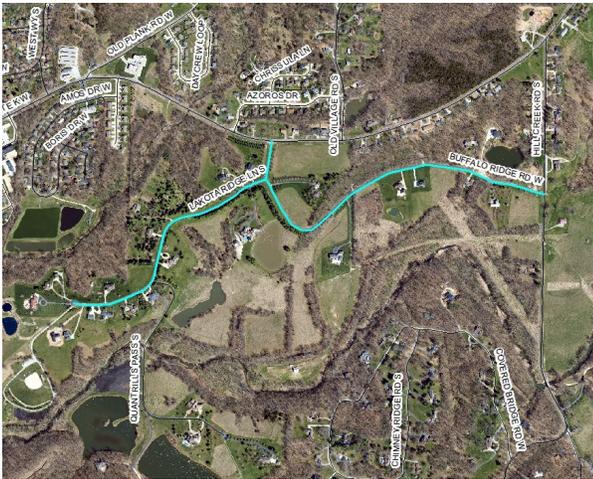
- ◆ Asphalt Overlays are performed on roads that exhibit some moderate distresses and smoothness irregularities, but otherwise are in good condition.

2024 Asphalt Overlay

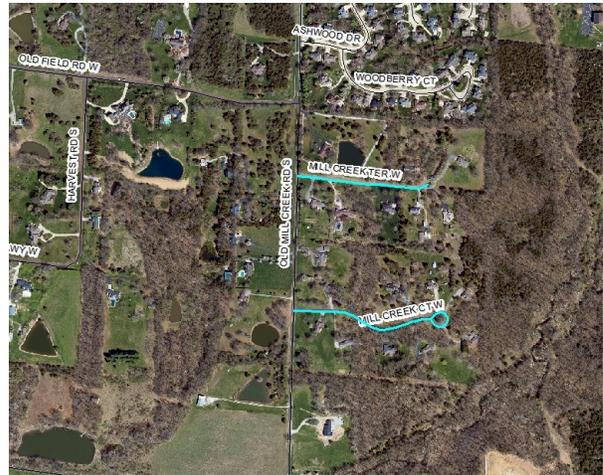
- ◆ Covered 44,600 Square Yards
- ◆ 17,270 Linear Feet or 3.27 Centerline miles
 - ◆ Total Construction Cost \$550,674.25
 - ◆ Cost per Square Yard \$12.35
 - ◆ Cost per Centerline Mile \$168,401.91

FY 2024 Project Money Expended

Asphalt Overlay Project Locations



Lakota Ridge



Mill Creek Ct & Mill Creek Terrace



Starke Ave



Englewood Road

FY 2024 Project Money Expended

Asphalt Rehabilitation

When planning began for the FY2018 budget, no projects met the criteria for development of an asphalt rehabilitation project, and none have qualified since. Based on that knowledge, Resource Management Engineering prepared a work plan that transferred spending of those funds on other projects that met requirements in other classifications. The Boone County Commission accepted the recommendation to redistribute funds typically used for asphalt rehabilitation to alternative projects for budget construction years 2018 through 2025.

Concrete Rehabilitation

Management of concrete roads is quite different than management of asphalt roads. The rigid nature of concrete pavement tends to stay in good condition for a long time and then fail very quickly. At this time, no products have been identified for use as a low cost, preventative maintenance treatment for rigid pavements. Since 2011, Boone County has managed concrete roads using a systematic replacement of failed panels. When only a small number of panels are damaged in a specific area, targeted panel replacements are performed by the Road and Bridge department. This consists of removing the damaged panel and replacing it with another concrete panel. When a large number of damaged concrete panels are concentrated in a single area, a rehab project is developed. Rehab projects consist of the removal of existing concrete pavement and replacement with full depth asphalt pavement. Conversion from concrete to asphalt allows those road segments to be included in our asphalt pavement preservation program.

In 2023 Boone County Resource Management staff began using the Concrete-PASER Manual for assessing the condition of our concrete roads. This data is used to monitor the condition of concrete roads and for planning future projects.

FY 2024 Project Money Expended

Drainage Structure

Project Overview:

Replace the existing 29' long, single span, precast concrete channel beam bridge on Ben Williams Road with a 62' long, single span, galvanized steel girder with concrete deck bridge.

Project Explanation:

Replace the existing load rated structure with a poor condition rating. The existing hydraulic opening was too small, causing undercutting of the south abutment and roadway overtopping. The new bridge will provide a wider and taller hydraulic opening which will lower water velocities through the structure and lower the design high water elevation to reduce the frequency of roadway overtopping.

Project Construction Cost \$646,263.37



Ben Williams Bridge before construction



Ben Williams Bridge after construction

FY 2024 Project Money Expended

Drainage Structure

Project Overview:

- ◆ Remove the existing double, 7' diameter corrugated metal pipe crossing and replace with a 16'Wx8'H precast concrete box culvert, #4695 on W. Dothage Road.

Project Explanation:

- ◆ Deterioration and loss of material at the flowlines of the existing pipes was discovered during a routine inspection. The deterioration, if allowed to continue, could result in a loss of the structure during a large rain event or through collapse. A concrete box culvert was chosen to provide greater capacity for storms and longer service life.

Project Construction Cost \$245,968.30



W. Dothage Culvert
before construction



W. Dothage Culvert
after construction

FY 2024 Project Money Expended

Rural Gravel Road Paving Capital Project

Project Overview:

The existing gravel sections of Calvin Dr. & Cedar Tree Ln. were stabilized using a road reclaiming machine and cement powder. The stabilized areas then received a 2.5" thick asphalt overlay, thus converting a gravel road into a paved surface.

Project Explanation:

As the population of Boone County continues to grow, so too have the traffic and maintenance requirements on many gravel roads. Boone County has begun a program to convert gravel roads with high traffic volumes to paved roads. Calvin Dr. & Cedar Tree Ln. were picked because both have high traffic counts and required minimal work to prepare them for construction.

Project Construction Cost \$1,369,390.60

- ◆ Covered 49,028 Square Yards
- ◆ 19,121 Linear Feet or 3.62 Centerline Miles
 - ◆ Cost per Square Yard \$27.93
 - ◆ Cost per Centerline Mile \$378,284.70



Requirement #2

Fiscal Year 2025

Plan

Submit a plan for construction, reconstruction, maintenance and repair of existing established public highways, roads, bridges and culverts proposed to be undertaken and completed during the current year.

FY 2025 Work Plan

Revenues by Source – Road & Bridge Fund (Major Fund)

	2016	2017	2018	2019	2020
	Actual	Actual	Actual	Actual	Actual
Property Tax	\$ 1,506,835	\$ 1,542,304	\$ 1,577,547	\$ 1,654,751	\$ 1,703,606
Sales Tax	14,270,107	14,322,240	14,215,362	14,181,969	14,452,403
Motor Vehicle Sales Tax	508,987	534,408	526,497	541,022	554,279
County Aid road Tax	1,246,749	1,255,175	1,229,266	1,244,912	1,167,735
Intergovernmental	38,716	132,025	1,554,369	54,628	331,382
Charges for Services	35,054	34,170	32,559	36,096	47,790
Interest & Other	115,961	174,186	307,549	518,392	350,888
Total	\$ 17,722,409	\$ 17,994,508	\$ 19,443,149	\$ 18,231,770	\$ 18,608,083

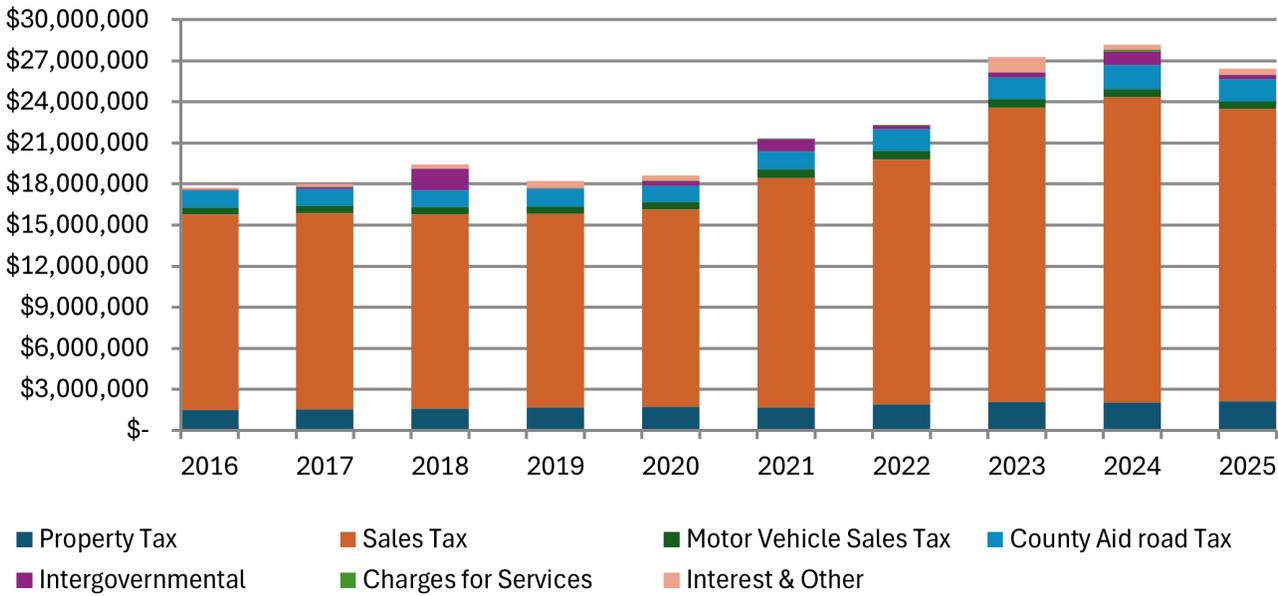
	2021	2022	2023	2024	2025
	Actual	Actual	Actual	Estimated	Budget
Property Tax	\$ 1,662,866	\$ 1,916,166	\$ 2,061,959	2,051,300	\$ 2,133,396
Sales Tax	16,801,034	17,903,676	21,525,666	22,325,000	21,343,000
Motor Vehicle Sales Tax	628,770	597,259	625,000	575,000	575,000
County Aid road Tax	1,279,123	1,576,030	1,576,030	1,736,000	1,600,000
Intergovernmental	908,791	295,764	373,115	1,014,395	303,045
Charges for Services	8,329	9,184	10,016	143,670	27,085
Interest & Other	(28,627)	(1,139,148)	1,117,832	350,656	468,130
Total	\$ 21,260,286	\$ 21,158,931	\$ 27,289,618	\$ 28,196,021	\$ 26,449,656



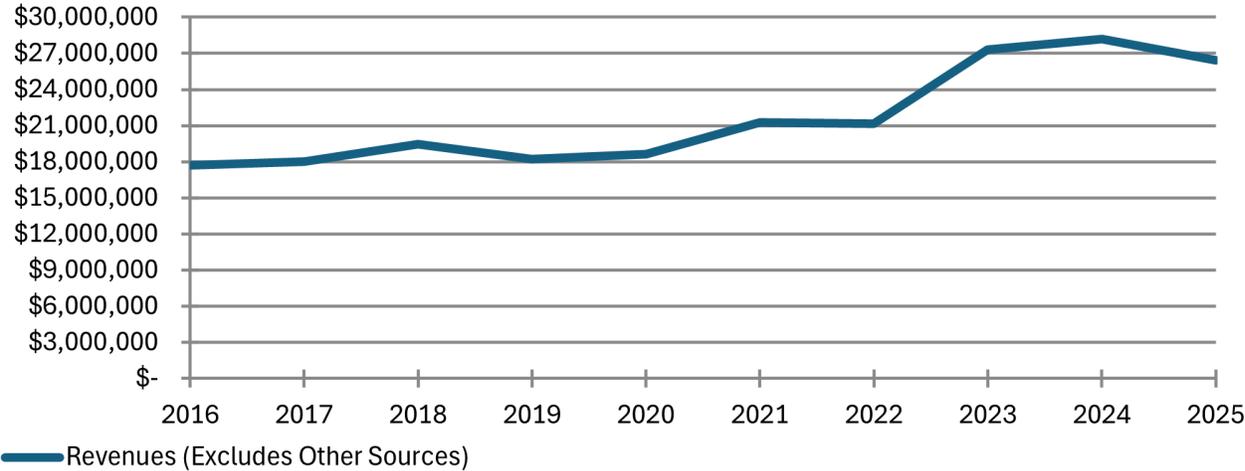
- ◆ 2018 Revenue includes \$1,516,384.95 reimbursement on a Federal Grant
- ◆ 2019 Revenue includes \$4,584.65 reimbursement on a Federal Grant and \$23,630.80 from a State Grant reimbursement.
- ◆ 2020 Revenue includes \$58,113.37 reimbursement on a Federal Grant and \$22,833.09 from a State Grant reimbursement.
- ◆ 2021 Revenue includes \$819,292.98 reimbursement on a Federal Grants, \$7,793.25 from FEMA, \$25,940.86 on a State Grant and \$30,323.03 from SEMA
- ◆ 2024 Revenue includes \$635,809.37 reimbursement on a Federal Grant

FY2025 Work Plan

Revenues - Road & Bridge

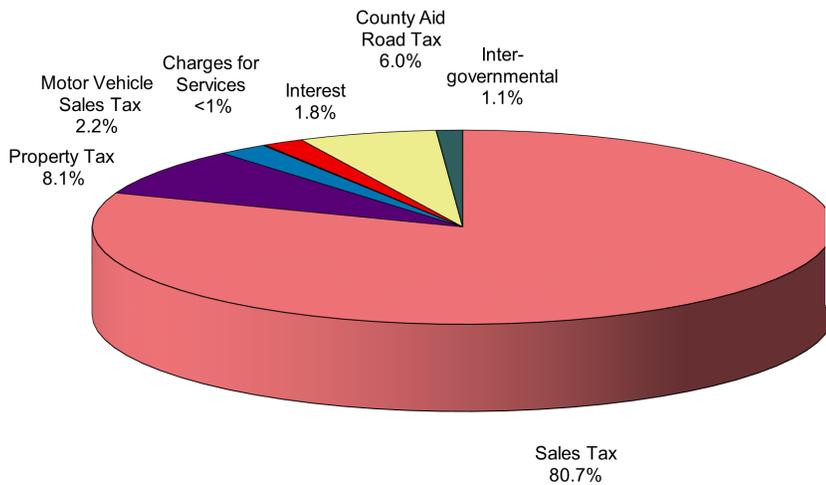


Revenues - Road & Bridge



FY2025 Work Plan

Where The Money Comes From - Total Revenues Road & Bridge Fund



Where The Money Comes From

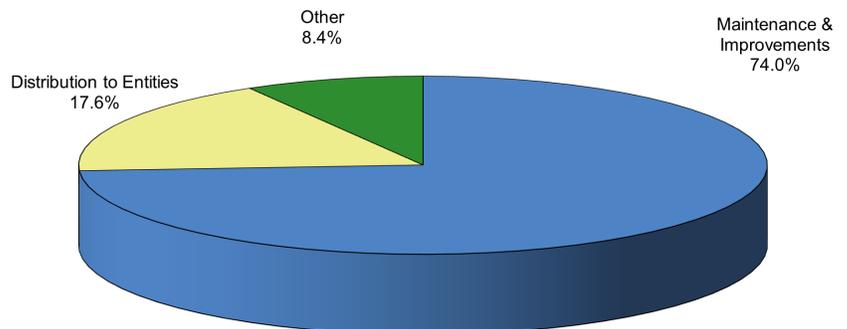
Sales Tax	\$ 21,343,000
Property Tax	2,133,396
Motor Vehicle Sales Tax	575,000
Charges for Services	27,085
Interest & Other	468,130
County Aid Road Tax	1,600,000
Intergovernmental	303,045
Total Revenues	\$ 26,449,656
Other Financing Sources	27,300
Fund Balance Used for Operations	17,279,722
Total Financing Sources	\$ 43,756,678



What The Money Is Used for

Property Tax Distribution	\$ 357,909
Sales Tax Distribution	3,615,000
Road Maintenance	7,449,504
Fleet Maintenance Operations	1,829,919
Traffic/Sign	179,916
Infrastructure Preservation/Rehab	5,275,000
Design & Construction	330,611
Stormwater Administration	222,512
R&B & RM Administration	983,452
Engineering	661,015
R&B IT Hardware & Software	82,387
Administrative Services Charge	1,025,410
Facilities Management/Custodial	129,499
Facility Repair & Replacement	302,200
Insurance Activity	313,594
CART/MV Distribution to Road District	108,750
Other	310,000
Total Expenditures	\$ 23,176,678
Total Other Financing Uses	\$ -
Total Financial Uses	\$ 23,176,678

What The Money Is Used For - Total Expenditures Road & Bridge Fund



FY2025 Work Plan

Asphalt Rehabilitation Projects

- ◆ There are currently no asphalt rehabilitation projects under consideration

Rural Gravel Road Paving Program-Capital Project

These projects are under design and planned for construction in 2025:

- ◆ Ridge Road from Coyote Hill Road to Hwy 124
- ◆ Coyote Hill Road from Ridge Road to Howard Co. line
- ◆ Sugar Creek Drive from MoDOT R-O-W to Wehmeyer Road
- ◆ Smith Hatchery Road from W. Dothage Road to Katy Trail

Concrete Rehabilitation Projects

- ◆ There are no current plans for individual panel replacements.
- ◆ There are currently no concrete rehabilitation projects under consideration.

Drainage Structure Projects

These stormwater inlet projects are under consideration for design and planned for construction in 2025 or 2026:

- ◆ Waters Edge Estates Subdivision—Waterfront Drive North
- ◆ Gateway South Subdivision—Gateview Drive

Pavement Preservation Projects

These projects are under design and planned for construction in 2025:

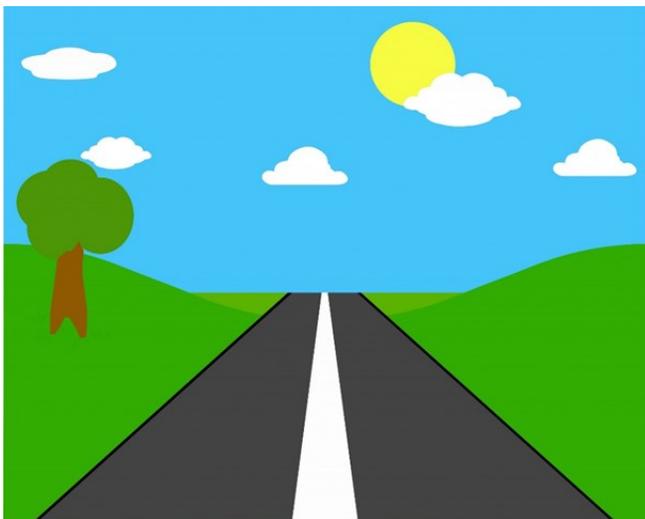
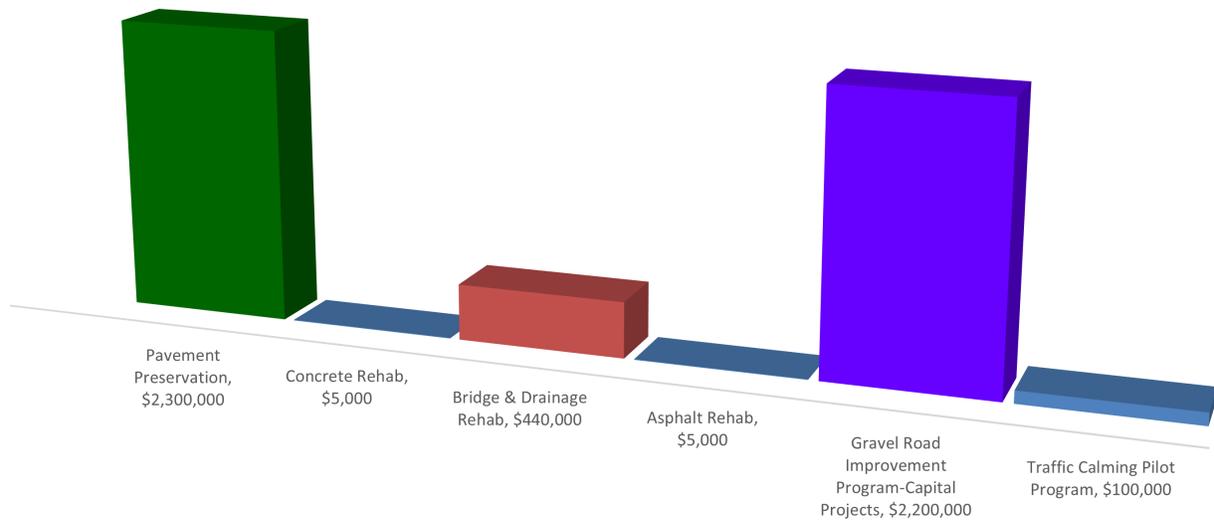
- ◆ Preservation Chip Seal

Traffic Calming Pilot Project

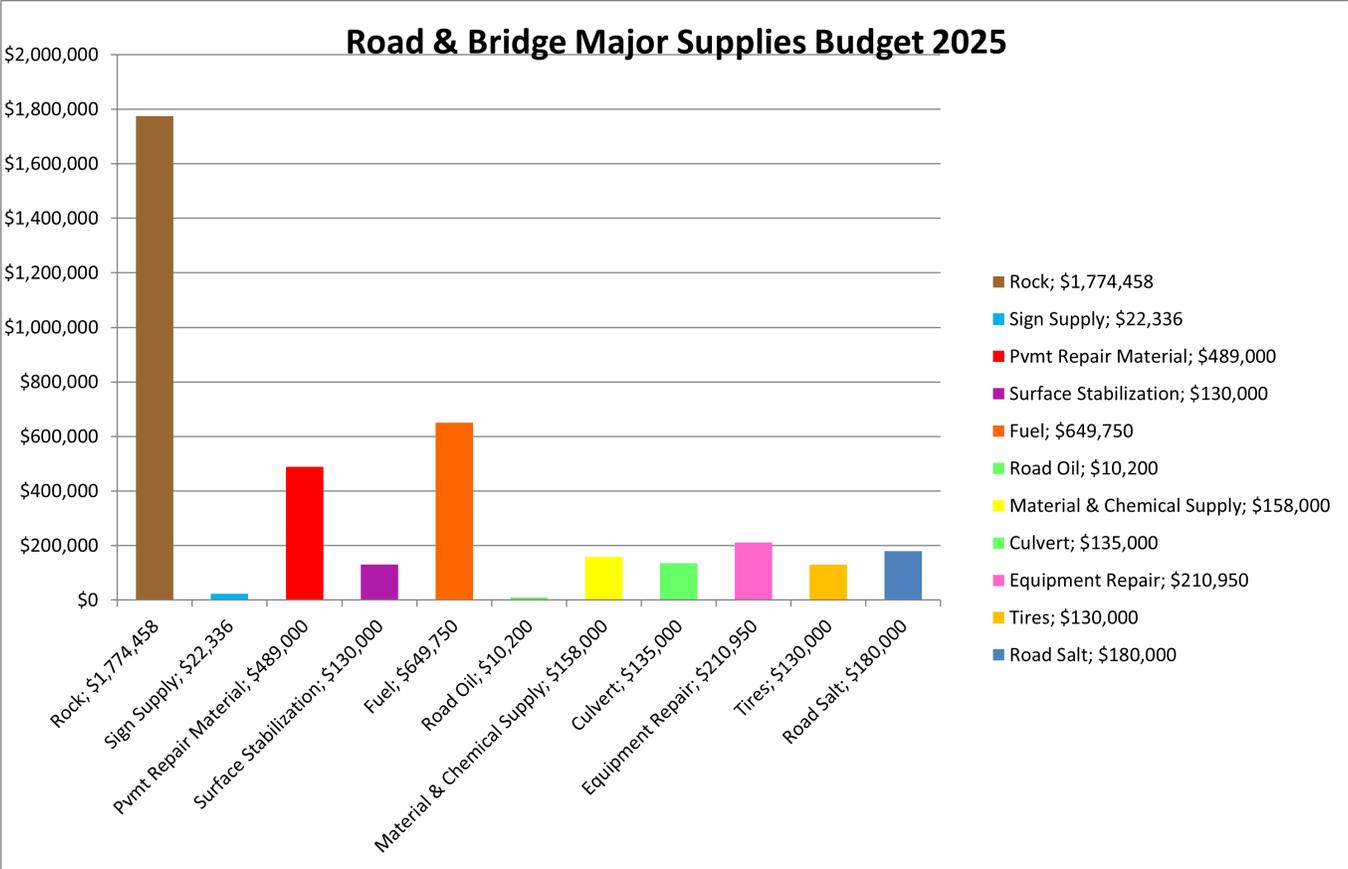
- ◆ A traffic calming plan is under consideration with the potential for a trial application during 2025

FY2025 Work Plan

Resource Management 2025 Program Budget



FY2025 Work Plan





Requirement #3

Fiscal Year 2024

Condition

Report the general condition of all established public highways, roads, bridges and culverts in the County.

FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

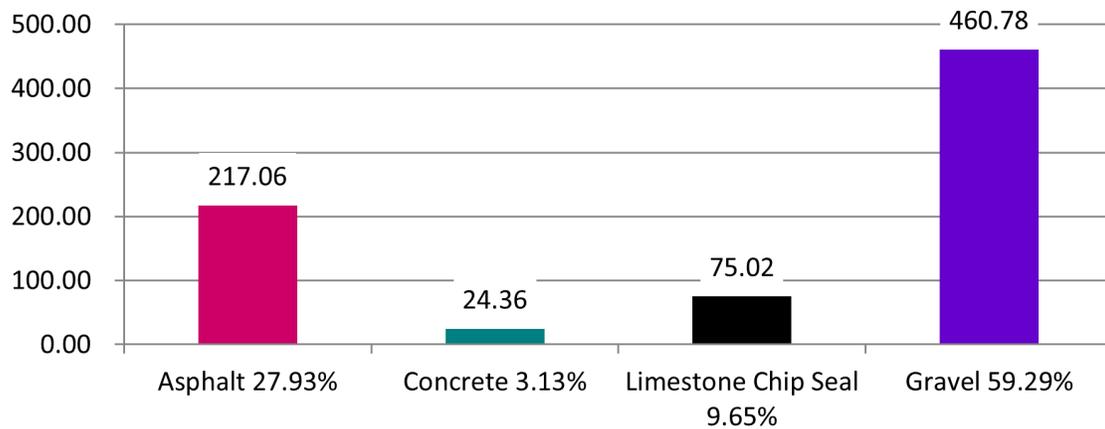
The following charts are based on information stored in Cartegraph, the County's infrastructure database program. These values include only non-retired roads that are currently maintained by Boone County. Roads that are partially owned by the County, but not maintained by the County are not considered in these calculations. The streets are separated into categories and based on surface types. A preservation chip seal surface is considered the same as an asphalt surface and is therefore reported in the Asphalt category in these statistics.

Surface Type	Total Miles	Percent of Total	Change in Total
Asphalt	217.06	27.93%	+4.73
Concrete	24.36	3.13%	0.00
Limestone Chip Seal	75.02	9.65%	-0.27
Gravel	460.78	59.29%	-4.63
Total	777.22	100.00%	-0.17

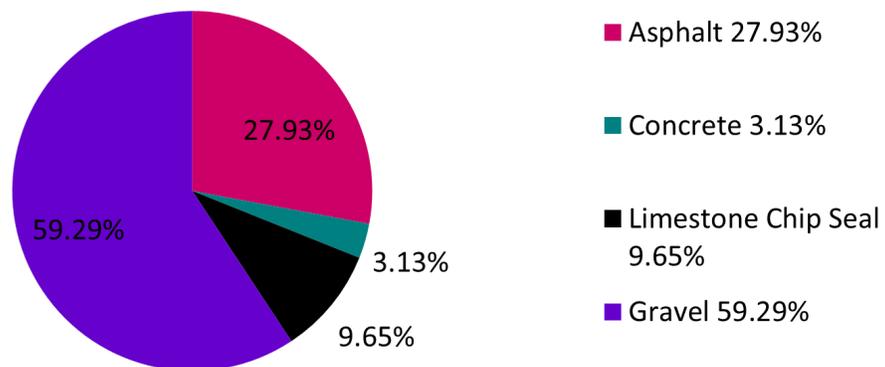
Total miles of county maintained road can change due to: acceptance of new roads built by someone other than Boone County, annexations, change of surface type (asphalt over concrete roads), our maintenance agreement with the City of Columbia for roads that are accessed by both County and City properties and data error corrections.

FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

Boone County Pavement Types (In miles)



Percent of Total Road Network



FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

2024 Surface Ratings

Records pertaining to roads are identified by segment, from one specific point to another. Information used to assign scores for each road segment is obtained using several different methods. Boone County uses 1) work performed on a segment, 2) weighted averages for normal use of a segment, and 3) visual inspection of a segment. Visual inspections use guidelines in PASER Manual-Asphalt and Concrete PASER. These manuals provide descriptions and pictures to assist in maintaining consistency between inspectors. These assessments are entered in Cartegraph where they are combined to generate the grade or condition of each segment based on established curves. The following values are used for the condition classifications:

OCI = Overall Condition Index

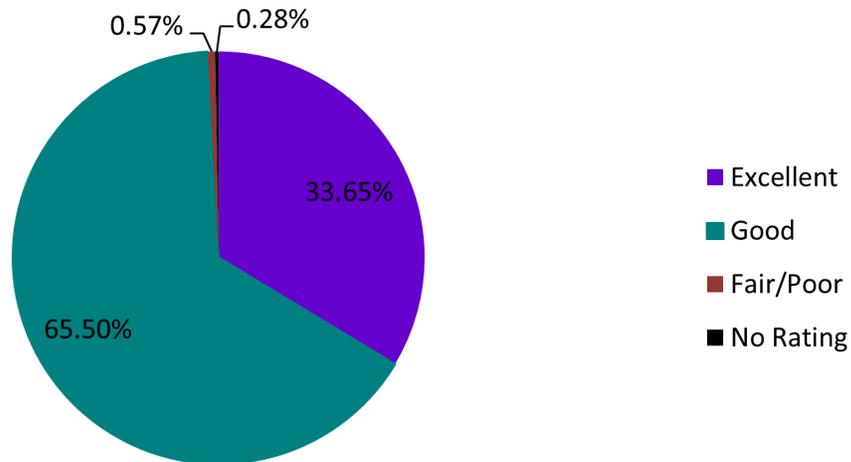
Excellent = a value 85 and above

Good = any value between 55 and 85

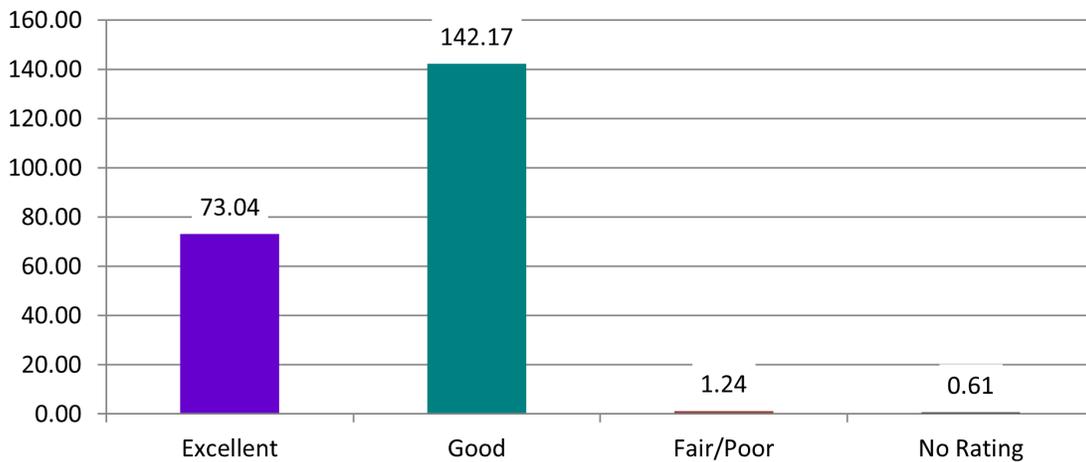
Fair/Poor = anything less than 55

FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

2024 Asphalt Surface Ratings Percent of Total Asphalt

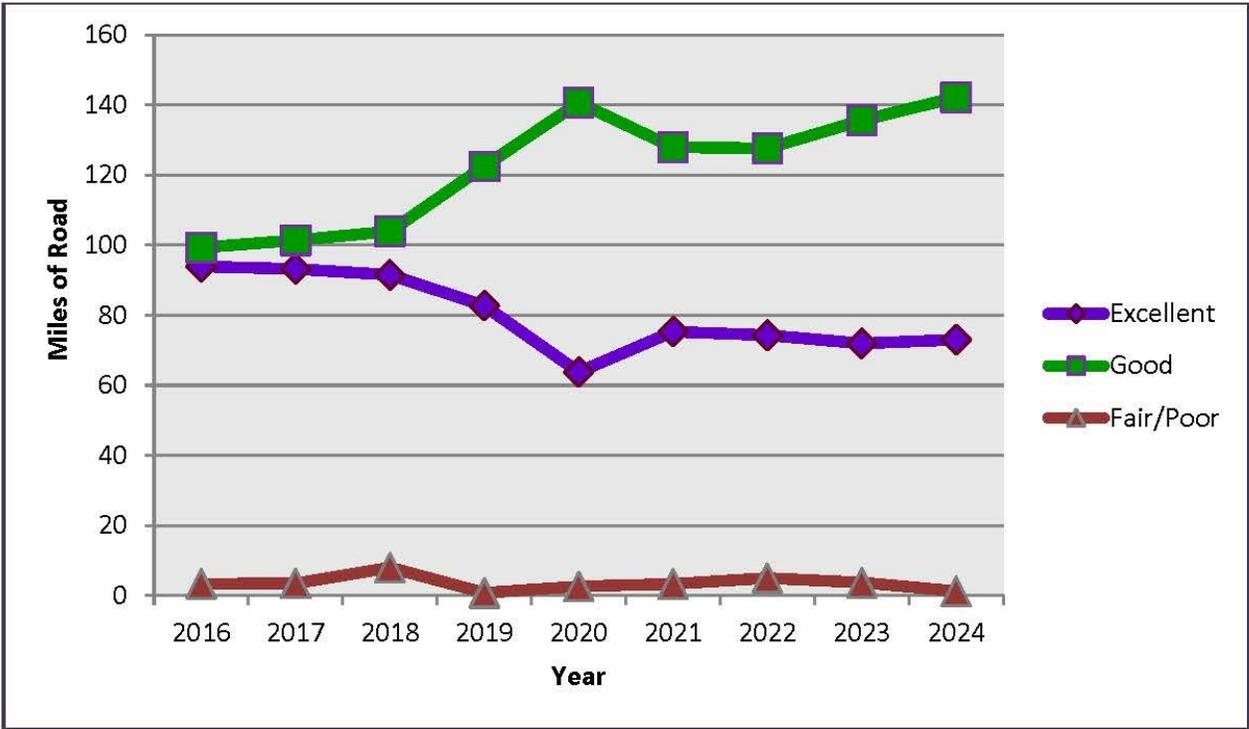


Asphalt Pavement Length (In miles)



FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

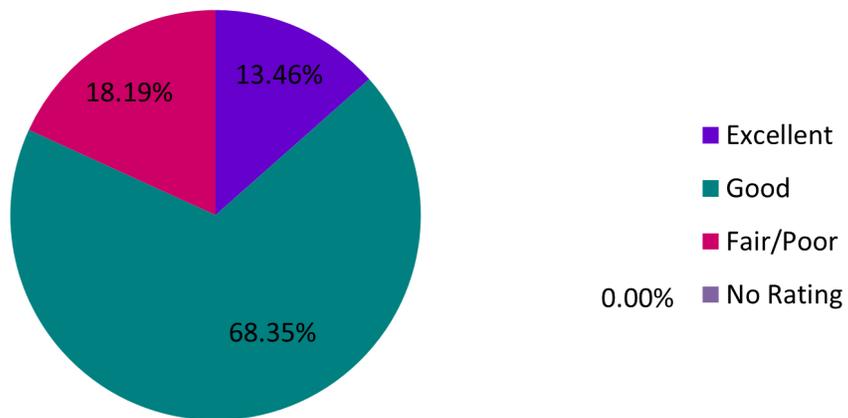
Asphalt Road Rating Comparison 2016-2024



FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

2024 Concrete Surface Ratings

Percent of Total Concrete

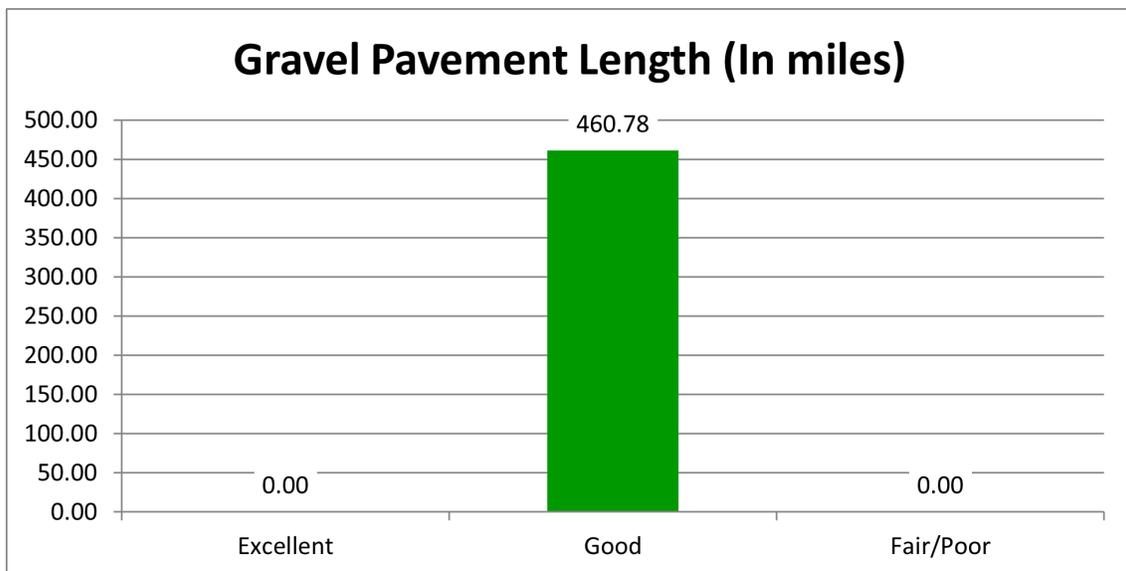
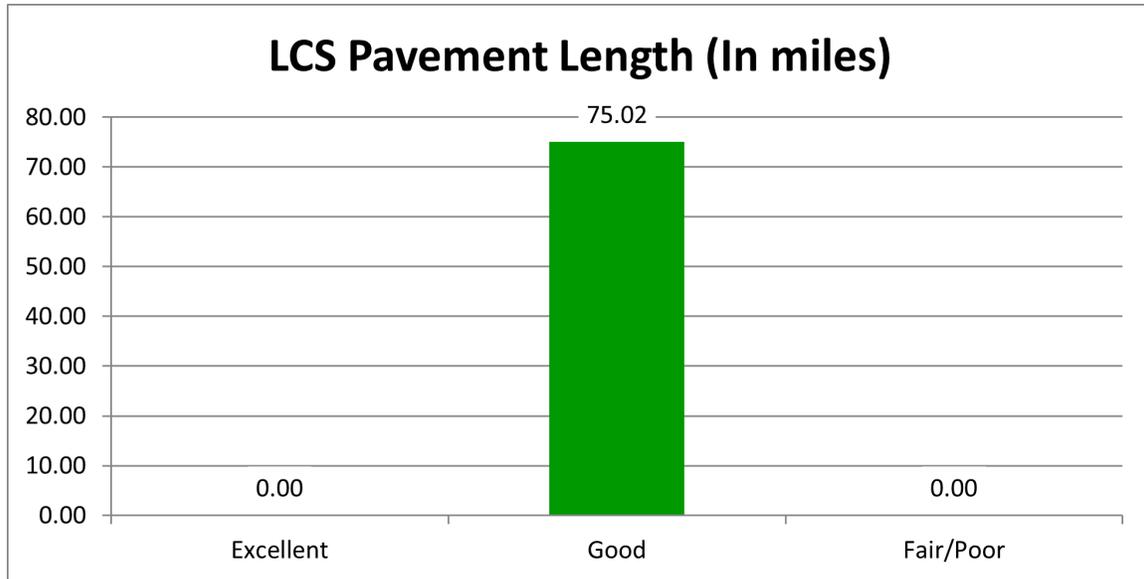


Concrete Pavement Length (In miles)



FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

2024 Gravel & Limestone Chip Seal Roads



FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

2024 Bridge Ratings

Many types of structures are referred to as bridges. However, only bridges that meet the minimum size requirement of 20 feet in length are inspected by MoDOT. The ratings and figures provided on the next pages are based on material obtained from MoDOT inspections, and only refer to bridges inspected by MoDOT. Inspections assign values to the deck condition, substructure condition, and superstructure condition, these are rolled into an average value based on a 0–100 scale. Cartegraph generates the bridge rating value. The standards listed below are used for the rankings.

Statistics shown here are from the 2022 inspections. State inspections are performed every other year with the latest bridge inspections being performed in December of 2024. We expect to receive the MoDOT inspection results in the spring of 2025.

OCI = Overall Condition Index

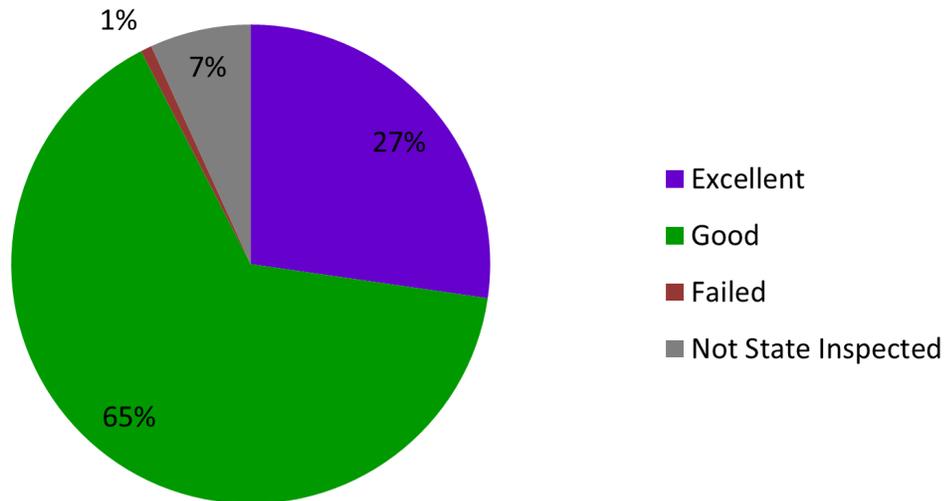
Excellent = a value 75 and above

Good = any value between 50 and 75

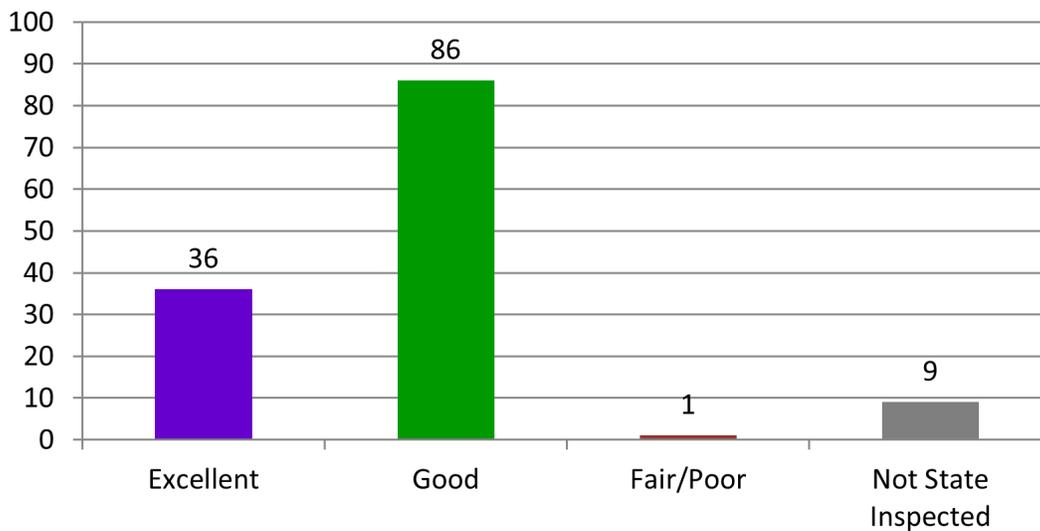
Fair/Poor = anything less than 50

FY 2024 Condition of Boone County Maintained Roads, Bridges and Culverts

2024 Bridge Ratings Percent of Total Bridges



Number of Structures



Additional Duties

Fiscal Year 2024



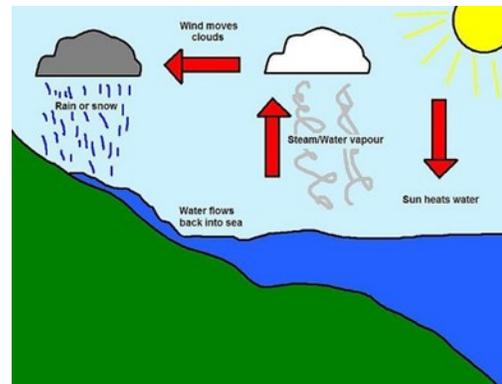
Surveying



Rights of Way



Sales Tax Distribution



Stormwater

Additional Responsibilities

2024 Surveying

Our County Surveyor position was vacant for all of the 2024 calendar year. Boone County used outside agencies to review plats and perform project staking activities.



2024 Rights-Of-Way

In addition to the preservation and improvement of Boone County roads and bridges, another task shared by Resource Management Engineering Division and Road and Bridge is the maintenance of Boone County Rights-of-Way. The County's priority is to ensure proper site distance and drainage on County roadways. A few of the tools employed in the upkeep of Boone County Rights-of-Way are:

Additional Responsibilities

2024 Right-Of-Way

Rights-of-Way Permits are issued when excavation takes place in a Boone County owned or maintained rights-of-way. Excavation in this context is defined as work that results in the alteration or damage of the road surface, drainage ditches, curbs and gutters or other drainage structures, traffic control devices, or county maintained pedestrian walkways within the road rights-of-way. Excavation also includes actions which physically undermine the structural integrity of the road base, road drainage, traffic control devices, or pedestrian walkways within the rights-of-way.

317 Rights-of-Way permits were issued and inspected in 2024.

Driveway Permits are issued for new or upgraded driveways that are connected to a County maintained road. Some types of upgrades that require a permit are converting an existing gravel driveway to a paved surface, resurfacing an existing driveway, installing a larger culvert, and widening a driveway.

122 Driveway permits were issued and inspected in 2024.

Adopt-A-Road: The purpose of the Adopt-A-Road program is to promote citizen involvement and participation in improving our environment and preserving the natural beauty of Boone County roadways. Volunteers help maintain attractive roadsides by picking up litter along Boone County roadways. On the following page is a list of the current adoptions:

Additional Responsibilities

Road Name	Organization Name
Crump & Martin Lanes	Ashland FFA
David Allen Road	David Allen Road Neighborhood
Dodd Road	Dodd Road Beautification
Easley River Road	Missouri River Relief
Fox Hollow Road	Fox Hollow Forest, LLC
Glendale Drive	Two Mile Prairie Neighbors
Harold Cunningham Road	Fox Hollow Forest, LLC
Judy School Road	Two Mile Prairie Neighbors
Mauler Road	Friends of Mauler Road
McQuitty Lane	Hootie Hills Farms
Nebo Cemetary Road	Friends of Hugh Hodler
New Haven Road (Partial)	In Loving Memory of Jason Logdon
New Haven Road (Partial)	DANA of Columbia
O'Rear Road	Dog Eared Farm
Obermiller Road	Boone County Republican Party
Old Highway 63 South	Walk in Faith Church
Old Plank Road	Missouri River Relief
Olden Road	To Honor Roscoe & Lucreta Olden (By Brenda & Mark Rowland)
Rangeline Road	OTSCON, INC
Rock Quarry Road	Range Free Bakery & Café
Rowland Road	To Honor Newt & Beulah Rowland (By Brenda & Mark Rowland)
Saint Charles Road	Thomas Livestock and Land Stewardship
Wilhite Road	Thomas Livestock and Land Stewardship
Wren School Road	Three Creeks Farm + Forest

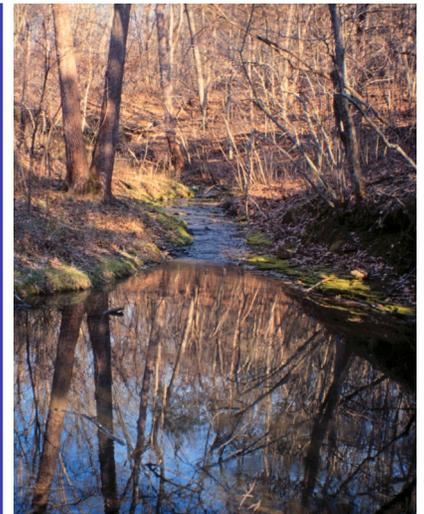
2024 STORMWATER ADDITIONAL RESPONSIBILITIES

STORMWATER MISSION

Maintain stormwater management requirements and controls to enhance and protect water quality, reduce stormwater pollution runoff, and protect and safeguard the general health, safety, and welfare of the public residing within the watersheds of Boone County.



Stormwater is any water coming from precipitation. It may be rain, water from snowmelt, or water that runs off streets, parking lots, lawns, or other surfaces. Stormwater drains into natural or manmade drainage systems such as ditches and storm sewer inlets. Neither the natural, nor the manmade drainage ways connect to the wastewater treatment plant; instead, the water is discharged directly to our streams and rivers.



What is Boone County Doing to Address Stormwater Runoff?

Boone County is jointly permitted with the City of Columbia and University of Missouri in accordance with the Stormwater Phase II Final Rule requirements specified in section 4.1.4 of the site-specific permit MO-0136557 for discharges from small regulated Municipal Separate Storm Sewer Systems (MS4s), as well as per state regulation 10 CSR 20-6.200 and federal regulations 40 CFR Parts 9 and 122. To fulfill its permit requirements, Boone County has implemented six (6) Minimum Control Measures (MCMs), which are expected to help significantly reduce pollutants into receiving waterbodies. These MCMs cover:

- ◆ Public education and outreach,
- ◆ Public involvement,
- ◆ Illicit discharge detection and elimination,
- ◆ Construction site stormwater runoff control,
- ◆ Post-construction stormwater management in new development and redevelopment, and
- ◆ Pollution prevention/good housekeeping for municipal operations.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Public Education & Outreach Activities

Implementing a coordinated and comprehensive stormwater education and outreach program is the primary goal of MCM 1. This involves distributing educational materials and providing outreach activities to residents, public employees, businesses, and the general public about the impacts of stormwater discharges on water bodies and steps the public can take to reduce pollutants in stormwater runoff.

2024 Activities

Common Ground Virtual Film: As part of the Environmental Film Series, the Show-Me Stormwater team partnered with Rag Tag Cinema to host a showing of *Common Ground*, which investigates the relationship between soil, agriculture, and climate health. This documentary follows the pioneers of the Regenerative Agriculture Movement. 112 people attended the event.

Common Ground Regenerative Agriculture Panel Discussion: This panel featured representatives from Understanding Ag, the U.S. Department of Agriculture, and the Missouri Organic Association, highlighting practical means to integrate regenerative practices into the landscape and answered questions about improving soil health. There were 85 people in attendance.

Earth Day: The Boone County Stormwater team participated in the annual Earth Day festival and presented local projects, watershed stewardship, and Agents of Discovery missions. The team interacted with approximately 260 people during the event.

Rock Bridge State Park Water Festival: Boone County Stormwater participated in the 8th annual Water Festival at Rock Bridge Memorial State Park. This program served approximately 210 adults and children.

Boone County Stream Team Open House: Boone County and Missouri Stream Team hosted an Open House, highlighting local projects including the Greater Bonne Femme Watershed Initiative and how people can get involved in stream monitoring. There were 26 people in attendance.

Butterfly Festival: The Boone County Stormwater team participated in the Butterfly Festival at the University of Missouri Jefferson Farm & Garden, and presented local projects, watershed stewardship, and Agents of Discovery missions. The team interacted with 175 people.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Southern Boone Area YMCA: Stormwater Education partnered with the YMCA to host an after-school program. This 3-part series included an introduction to watersheds using the Enviroscape, groundwater, parts of a stream, and bridge design and stream impacts. Approximately 48 students took part each month.

Enviroscape Presentations: These presentations used the Enviroscape, a hands-on model that shows water pollution and prevention through shared responsibility, to demonstrate different sources of pollution pathways and what actions can be taken to prevent pollution. Students were challenged to become stormwater champions. They went on a watershed walk to see where the water flows and marked storm drains. The presentations occurred at the following schools:

- ◆ Atelier 1st grade- 16 Students
- ◆ Atelier 2nd Grade-24 Students

Boone County Ready Festival: The Boone County Stormwater team participated in the Boone County Ready Festival, which featured local projects and watershed stewardship. The team interacted with approximately 50 people during the event.

Ashland Fall Festival: The Boone County Stormwater team participated at the annual festival and presented on the Greater Bonne Femme Watershed Initiative and watershed stewardship. The team interacted with approximately 30 people during the event.

Conservation Expo: The Boone County Stormwater team participated in the two-day Conservation Expo held at Cooper's Landing, providing information on the Greater Bonne Femme Watershed Initiative and watershed stewardship. The team interacted with approximately 150 people during the two-day event.

Missouri Department of Conservation Round Table: The Stormwater Educator participated in a panel presentation highlighting the benefits of the stream crossings workshop held in December 2023. Approximately 72 people were in attendance.

Centralia Intermediate 5th Grade: The Stormwater Educator provided an introduction to watersheds and stormwater pollution. The students had to develop a solution for the pollution. The students also participated in an interactive activity to show how humans affect waterways and what can be done to improve water quality. 98 students participated.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

3M Wetland Tour: Students toured the 3M Wetland, learning how it was created to treat stormwater runoff and participated in a scavenger hunt.

- ◆ Grant Elementary 5th Grade- 85 students

Douglass High School Field Day: Douglass High School students were introduced to Flat Branch Creek, connecting with water quality, stream ecology, and field monitoring. There were 16 students in attendance.

STEM Spring Showcase: The Stormwater Educator was invited to lead a discussion about different sources of pollution and how rain can carry them into waterways - showing what actions can be taken to prevent the pollution. Approximately 145 students were in attendance.

Missouri Scholar Academy - The Art of Streams and Litter: Scholars learned about local waterways, participated in a cleanup, and redesigned that litter into art, turning trash into treasure. There were 13 students in attendance.

One Health Charrette: Boone County hosted a One Health Charette as part of the Greater Bonne Femme Watershed Initiative. This event hosted brainstorming and strategizing sessions to generate innovative ideas and approaches to enhance the health of our environment and community. There were 15 people in attendance.

East Campus Neighborhood Workshop: This event was hosted in partnership with the U.S. Fish & Wildlife Service and the City of Columbia. Participants visited several neighborhood locations to discuss techniques used to reduce human impact on streams, including native plant landscaping, stormwater capture, herbicide use, nutrient pollution reduction, and see what lives in a stream. Eight residents attended the event.

Ashland Optimist Club: The Stormwater Coordinator and Urban Hydrologist presented to the Ashland Optimist Club about the Greater Bonne Femme Watershed Initiative. There were 15 people in attendance.

Katy Tram Tours: The Stormwater Educator served as an interpreter for the Katy Trail Fall Tram Tour, highlighting the community history and connection to the railway, Missouri River, and surrounding environment. Approximately 135 people participated.

Tomato Festival: The Boone County Stormwater team participated in the Tomato Festival at the University of Missouri Jefferson Farm & Garden, presenting on the Greater Bonne Femme Watershed Initiative and watershed stewardship. The team interacted with approximately 40 people during the event.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Rock Bridge Memorial State Park Interpretive Program: The Stormwater Educator and Urban Hydrologist assisted in interpretive programming focused on connecting students to the park, cave systems, streams, and ecosystems. Multiple programs occurred:

- ◆ Rock Bridge Elementary 2nd grade - 120 students
- ◆ Rock Bridge Elementary 4th grade - 85 students
- ◆ Bueker Middle School - 45 students
- ◆ Mill Creek Elementary 2nd grade - 85 students
- ◆ Mill Creek Elementary 4th grade - 94 students
- ◆ Hallsville - 126 students

Stream Table Presentations: The Stormwater Educator hosted workshops using the stream table to teach students about stream dynamics, erosion, deposition, and infrastructure, highlighting land development and its impacts on streams.

- ◆ Missouri River Explorers - approximately 300 people
- ◆ Douglass High School Career Development - 11 students
- ◆ Douglass High School Environmental Science - 16 students
- ◆ Grant Elementary 4th Grade - 55 students
- ◆ Jefferson Middle School - approximately 169 students
- ◆ Grant Elementary 2nd grade - 55 students
- ◆ Grant Elementary 4th grade - 62 students
- ◆ Midway Elementary 2nd grade - 30 students
- ◆ Midway Elementary 4th grade - 35 students
- ◆ Midway Elementary 5th grade - 21 students

Southern Boone County Chamber of Commerce and Economic Development Group: The Stormwater Coordinator and Urban Hydrologist presented the Greater Bonne Femme Watershed Initiative to the group. Approximately 15 people were in attendance.

City of Columbia CAAP Good Stewards Team: The Urban Hydrologist gave a presentation, providing information about the Greater Bonne Femme Watershed Initiative and potential future collaboration. Five people were in attendance.

First Day Hike: The Urban Hydrologist led a First Day Hike at Rock Bridge Memorial State Park on Deer Run Trail. There were 23 people in attendance.

Stream Monitoring: Community members used Missouri Stream Team monitoring practices to test the health of the local streams.

- ◆ Rock Bridge Memorial Monitoring Blitz- 16 people
- ◆ Excel Center- 18 people

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Columbia Business One-on-One: The Boone County and City of Columbia stormwater educators were guests on the Columbia Business One-on-One radio show. They discussed regenerative agriculture and promoted the showing of *Common Ground* and associated regenerative agriculture panel discussion.

Agents of Discovery Tours: 3M wetlands, Columbia Center for Urban Agriculture, and Boone County Courtyard: The stormwater team used the Agents of Discovery app, a digital education technology platform that features a web-based dashboard where educators can easily turn educational content into augmented reality games, to engage citizens and provide a fun way to learn about Boone County and the world around them. The app featured missions at the 3M Wetlands, Boone County Courtyard, and Columbia Center for Urban Agriculture. These interactive augmented reality experiences encouraged participants to complete missions and learn about the environment. 354 people played the missions.

Land Disturbance Inspection Training: Contractors and engineers were provided information to correctly complete land disturbance inspections and then walked an active construction site.



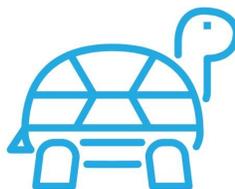
2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Educational Materials Developed/Distributed

- ◆ Boone County Stormwater Website: showmeboone.com/stormwater
- ◆ Bonne Femme Watershed Website: cavewatershed.org
- ◆ Hinkson Creek Collaborative Adaptive Management Website: helpthehinkson.org
- ◆ Stormwater Newsletters: showmeboone.com/stormwater/education/newsletters.asp
- ◆ Boone County Stormwater Facebook Page: facebook.com/boonecountymostormwater
- ◆ Boone County Stormwater YouTube Channel: youtube.com/channel/UCrd_RaCJ73N442kfWGfa1FA
- ◆ 45 watershed signs were installed on county roads in the Perche Creek, Lick Creek, Sailing Creek, Silver Creek, Prairie Creek, Moniteau Creek, and Rocky Fork Creek watersheds. Watershed sign maintenance was provided in the Hinkson Creek and Greater Bonne Femme watersheds.
- ◆ 100 Hinkson Creek Riparian Brochures for the Hinkson Creek Collaborative Adaptive Management (CAM) process were distributed at the February Farmer's Market. The brochure highlights the CAM process and the benefits of riparian area preservation and restoration.



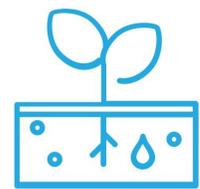
<https://www.showmeboone.com/stormwater>



SLOW IT DOWN



SPREAD IT OUT



SOAK IT UP

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Training Opportunities for County Staff

Facilities Management Staff Training: Boone County grounds crew members received training about good housekeeping practices, snow removal, plant selection, and the MS4. There were 9 employees in attendance.

Road & Bridge Safety Day: The Road & Bridge Department received training on good housekeeping, streams moving and migrating overtime, and stream crossing best management practices. There were 43 Road and Bridge employees in attendance.

New Employee Onboarding: New employees were informed about the MS4 as part of their onboarding process.

Land Disturbance Inspection training : Boone County Resource Management employees received training on completing a land disturbance inspection. There were 5 building inspectors in attendance.

APWA Snow Conference: The Stormwater Educator attended the APWA Snow Conference, learning about snow removal methods, environmental impacts of snow removal, and how to educate about snow removal.

Clean and Green Sustainability Conference: The Stormwater team attended the Clean and Green Sustainability Conference. Topics included High-Performance Turf Reinforcement Systems, Vegetation Management/Enhancement Erosion Control Solutions, Permeable Pavement Systems, Road Building Systems for Subsurface Moisture Management & Viability of Urban Trees.

Center for Watershed Protection Conference: The Stormwater Coordinator and Urban Hydrologist attended this conference to learn how to increase community resiliency in response to emerging and persistent threats to our water resources. The conference included technical presentations, case studies, panel discussions, and workshops.

Bulletproof Leadership Seminar: The Stormwater Coordinator attended a leadership seminar hosted by the Boone County Sheriff's Department.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

NFIP 101 Workshop: The Stormwater Coordinator attended a workshop hosted by the MO Floodplain & Stormwater Managers Association (MfSMA) to learn the basics of floodplain management, with topics related to FIRM maps, regulations, substantial improvement/damage, ordinance enforcement, permitting and basic flood insurance rating.

MoDNR MS4 Workshop Series: The Stormwater Coordinator attended 3 workshops hosted by the Missouri Department of Natural Resources (MoDNR). Topics included the MoDNR general permit overview and its relationship with MS4's, funding opportunities available through MoDNR's Financial Assistance Program and Section 319 Program, and information about impaired waters and how to implement the MS4 required Assumptions and Requirement Attainment Plan (ARAP).

The Stormwater Team participated in various programs to enhance the team's agricultural knowledge and connections and promote best management practices across the county.

- ◆ Understanding Ag Workshop
- ◆ MU Extension Town and Country Dinner
- ◆ Columba Center for Urban Agriculture speaker
- ◆ Missouri River Center tree planting
- ◆ Roots So Deep film screening

Webinars: Stormwater staff attended approximately 23 webinars.



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES



UnderstandingAG

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Public Involvement & Participation Opportunities

Implementing a comprehensive public participation program that provides opportunities for public participation in the development, implementation, and review of the County's Stormwater Management Program is the primary goal of MCM 2.

2024 Opportunities

- ◆ Hinkson Creek Collaborative Adaptive Management Science Team
- ◆ Hinkson Creek Collaborative Adaptive Management Action Team
- ◆ Hinkson Creek Collaborative Adaptive Management Stakeholder Committee
- ◆ Hinkson Creek Chloride Task Force
- ◆ Greater Bonne Femme Watershed Initiative Implementation Committee
- ◆ Greater Bonne Femme Watershed Initiative Community Survey
- ◆ 3 Public Meetings for Boone County Stormwater Ordinance revisions



2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Joint MS4 Coordination Committee Meetings

Stormwater staff from Boone County, City of Columbia, and University of Missouri meet bimonthly to coordinate and work on stormwater activities. This year the committee met 6 times.

Hinkson Creek Collaborative Adaptive Management Process

The goal of the collaborative adaptive management process is to improve water quality in Hinkson Creek by using a science-based approach guided by a local stakeholder committee. It will assess the entire stream system, including the creek and other parts of the watershed. Improving the ecosystem should help support the return of the biological community to a fully functioning level as well as addressing other pollutants that may be contributing to water quality issues.

- ◆ **Stakeholders** - The Stakeholder group met 3 times.
- ◆ **Action Team** - The Action Team met 11 times.
- ◆ **Science Team** - The Science Team met 9 times.
- ◆ **Riparian Subcommittee** - The Riparian Subcommittee met 8 times.
- ◆ **Chloride Task Force** - The Chloride Task Force met 1 time.

Synoptic Sampling – Sampling began in 2019. Funding was approved in 2019 to continue sampling for 2 additional years. Five (5) events were completed in 2021. Two (2) events were completed in 2022. We expect to have a full report on the results of the synoptic sampling in 2025.

USGS Comprehensive Chemical Sampling – This project was approved for funding in 2021. The United States Geological Survey/Columbia Environmental Research Center collected water and sediment samples from Hinson Creek and major tributaries in the spring and fall of 2022. Samples were analyzed for the presence of various chemical compounds that may be contributing to the impairment of aquatic life communities in Hinson Creek in 2023. We are expecting a final report in 2025.

Continuous Water Quality Monitoring - This project was approved for funding in 2023 to perform continuous water level, water temperature and specific conductance monitoring at 6 sites along Hinkson Creek and its tributaries. Monitoring equipment was installed in Fall 2023, and will continue for 3 years.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Greater Bonne Femme Watershed Initiative

Boone County Resource Management and partners felt that the watershed-based plan approved by the U.S. EPA in 2023, did not offer all of the restoration and protection measures necessary given the bountiful natural resources in the GBFW. The Greater Bonne Femme Watershed Initiative takes a broad approach to restoration and protection of water quality in the GBFW:

- ◆ **Overall Goal:** Creation of a watershed management plan that will be adopted by Boone County, the City of Columbia, and the City of Ashland. This plan will integrate four conceptual pillars into the language of the plan.
- ◆ **Pillar One,** Implementation of the Watershed Based Plan (WBP): Voluntary installation of best management practices and demonstration projects and education and outreach focused on agricultural landowners.
- ◆ **Pillar Two,** Creation of a Watershed-wide Wildlife Habitat Restoration Project: The County and partners will work with landowners in the watershed to improve wildlife habitat on their property.
- ◆ **Pillar Three,** Outreach & Communication: Focused on residential landowners, this element will encourage protection of riparian corridors and the use of native vegetation in landscaping.
- ◆ **Pillar Four,** Water Quality Connection: How water quality intersects with human health, environmental health, and animal and plant health in the watershed, incorporating a variety of concepts from regenerative agriculture to increasing health benefits from recreation in the GBFW.

Implementation Committee - This committee met 4 times.

- ◆ Agricultural BMPs Subcommittee - This subcommittee met 1 time.
- ◆ Monitoring Subcommittee - This subcommittee met 3 times.
- ◆ Outreach and Communication Subcommittee - This subcommittee met 1 time.
- ◆ Wildlife Habitat Restoration Subcommittee - This subcommittee met 3 times.
- ◆ Water Quality Connections Subcommittee - This subcommittee met 2 times.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Greater Bonne Femme Watershed Initiative (GBFWI) Advancements

- ◆ **Watershed Management Plan** - The consultants started drafting the plan in 2024.
- ◆ **Implementation of Watershed Based Plan** - County staff is working on the implementation proposal to be submitted to Missouri Department of Natural Resources. Submittal of the plan is expected in January 2025.
- ◆ **Watershed-wide Habitat Restoration Project** - In 2024, desktop analysis and site visits were completed, along with a map that summarizes areas with the highest restoration value in each typology and across restoration types.
- ◆ **Outreach and Communication Plan** - This plan was completed in 2024, and designates a strategy for public information and marketing of the GBFWI, develops methods and metrics for gauging the efficacy of outreach and communication efforts, and helps to meet the goals of the Initiative and Watershed-Based Plan.
- ◆ **Water Quality Connections** - Primary goals were established to improve water, biota, aquatic plants, habitat, land connectivity and resilience, and to provide more recreation, exercise, nature opportunities, and human connections.
- ◆ **Return on Environment (ROE) Study** - This study will identify and measure the environmental, societal, and economic benefits of healthy water and ecosystems within the Greater Bonne Femme Watershed. This ROE study will serve as a key component of the overall watershed management plan, especially relative to work within Pillars 3 and 4. The ROE Study is expected to be used in an iterative way during the multi-year implementation work being led by the Implementation Committee. Boone County hired a consultant to begin working on the study in 2024. The consultant performed document review and research, conducted stakeholder engagement meetings, and began analyzing results. A final report is expected in March 2025.
- ◆ **Community Survey** - This survey was conducted to gather feedback from landowners and visitors of the watershed, gaining a comprehensive understanding of stakeholders' relationships with the environment, their priorities in land management, and their awareness of how various actions can impact local streams and water quality. The survey will inform the development of the Watershed Management Plan and Return on Environment Study.
- ◆ **City of Columbia and City of Ashland Reports** - These reports introduced city leadership to the initiative and what Boone County is hoping to achieve. The report asked for support for city staff to engage staff time to work in partnership on the initiative.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Greater Bonne Femme Watershed Initiative (GBFWI) Advancements

- ◆ **Case Studies Review for City of Ashland** - To assist the City of Ashland with its planning process, and integration of its planning process within the larger Watershed Management Plan, the consultant conducted a review of case studies to learn what other similar communities have done to simultaneously address wastewater and stormwater issues in the face of environmental challenges, specifically, but not limited to water quality issues such as E. coli contamination and sediment runoff into local streams. The Case Studies Review will be presented to the City of Ashland in 2025.

Illicit Discharge Detection & Elimination

Implementing and enforcing a program to detect and eliminate illicit discharges and illegal dumping into the County's MS4 is the primary goal of MCM 3.

In 2024, the County's plan for informing public employees, businesses and the general public of hazards associated with illegal discharges and the improper disposal of waste consisted of:

- ◆ Audio / visual messaging on social media and County websites,
- ◆ K-12 education events,
- ◆ Household hazardous waste events,
- ◆ Stream cleanup events,
- ◆ Storm drain inlet marking campaign,
- ◆ Municipal operations staff training,
- ◆ Illicit discharge investigations, and
- ◆ Chemical water quality monitoring events

The County maintains an online storm drainage problem reporting application at showme-boone.com/stormwater, allowing citizens to report various stormwater concerns such as flooding and erosion. In 2024, **32** concerns were reported through the online reporting system.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Water Quality Monitoring Opportunities

Lakes of Missouri Volunteer Program Sampling (LMVP)

The LMVP started in 1992 as an effort to get citizens involved in the lake water quality monitoring. The goals of the LMVP are:

1. Determine the current water quality based on productivity of Missouri's lakes,
2. Monitor for changes in water quality over time,
3. Educate the public about the lake ecology and water quality issues.

Staff at Boone County continued sampling at Tri City Lake and Lick Creek Lake this season. Staff collected 1 sample between June and September. By participating in this effort, Boone County receives free sampling equipment and information on the status of the lakes in Boone County. For more information, visit www.LMVP.org.

Boone County Stream Team

The Boone County Stream Team hosted 2 water quality monitoring blitzes at Rock Bridge Memorial State Park in Spring 2024. We were unable to conduct the fall monitoring blitz this year due to drought conditions and lack of stream flow. Continuing to collect the water quality data at these sites over time helps to inform our understanding of water quality changes in the Greater Bonne Femme Watershed. These semi-annual blitz events have provided an opportunity for field training for Missouri Stream Team water quality volunteers, and we are excited to see new Stream Teams formed by these volunteers.

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Construction Site Stormwater Runoff Controls

Enforcing a program to reduce pollutants in any stormwater runoff to the County's MS4 system from construction activities that result in a land disturbance of greater than or equal to one acre is the primary goal of MCM 4. Reduction of stormwater discharges from construction activities disturbing less than one acre are included if that activity is part of a larger common plan of development or sale that would disturb one acre or more.

STORMWATER PROGRAM COMPLIANCE

	Stormwater Prevention Plans Reviewed	Pre-Application Meetings Held	Land Disturbance Permits Issued	Stormwater Discharge Permits Issued	Pre-Construction Meetings Held	Site Inspections Conducted	Notice of Violation Issued
2014	15	4	24	6	6	28	2
2015	9	6	24	8	4	85	2
2016	14	10	44	14	12	184	11
2017	8	6	26	12	4	196	9
2018	11	12	39	19	7	231	12
2019	8	5	18	15	6	123	4
2020	9	5	22	8	9	81	5
2021	15	6	33	13	10	99	12
2022	5	4	31	10	7	120	4
2023	8	11	25	18	7	118	3
2024	13	6	19	10	7	191	5

2024 STORMWATER ADDITIONAL RESPONSIBILITIES

Post-Construction Stormwater Management in New Development & Redevelopment

Implementing and enforcing a program to address the quality of stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale that discharge into the County's MS4 system is the primary goal of MCM 5.

Boone County requires Stormwater Discharge Permits to be issued for projects containing private best management practices (BMPs) on new and redevelopment projects. Stormwater Maintenance Agreements (and easements for off-site facilities) are recorded with each property and remain in effect in perpetuity. Annual inspections are required to ensure proper function and maintenance of constructed BMPs.

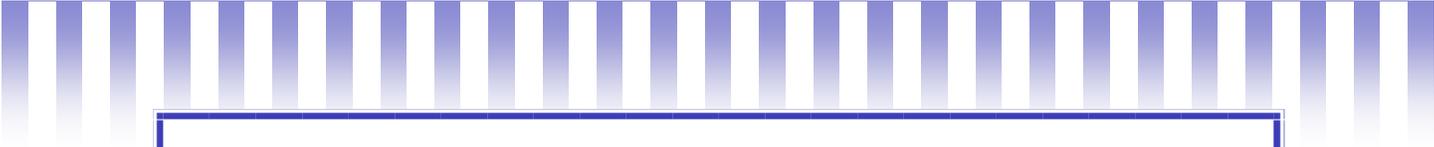
- ◆ 14 permits were issued for private projects installing permanent stormwater quality best management practices.
- ◆ 57 self-inspections for constructed stormwater quality BMPs were submitted.

Pollution Prevention & Good Housekeeping for Municipal Operations

MCM 6 requires that County employees receive regular training on maintaining facilities and properly using and storing potential pollutants. In addition to training, operations personnel continue to improve road salt application methods and site maintenance to reduce pollutants to waterways. Pollution prevention opportunities are extended to the greater community through household hazardous waste drop offs, recycling programs, and education and outreach efforts.

Boone County maintains the following Missouri State Operating Permits to reduce and / or eliminate pollutants from areas that the County operates:

- ◆ General Operating Permit #MOR100049 – Land Disturbance Permit



City of Ashland

Report not received by date
needed to publish

City of Centralia

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity: City of Centralia

Reporting on Calendar Year: 2024

Narrative for use of funds received : The funds received went toward the annual overlay of streets, which is detailed on the attached sheet. Funds were also used towards the operation of the Street Dept.

Narrative on overall condition of roads and bridges within reporting municipality:

The City of Centralia conducts an annual review of the approximately 40 miles of streets under our control. Each street is scored based on its condition, using a scale of 1-10, with 10 being a functionally new road.

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions _See attached information. This report concerns the right-most column, calendar year 2024. The other numbers are supplied for comparison.

City of Centralia

PUBLIC WORKS - HIGHWAYS AND STREETS

ACCOUNT NUMBER	ACCOUNT TITLE	Calendar 2024	FY2024-2025 BUDGET	Calendar 2023	FY2023-24 BUDGET	FY2023-24 AUDITED	Calendar 2022	FY2022-23 BUDGET	FY2022-23 AUDITED
PLANNING & ADMIN									
01-311-6001	SALARIES & WAGES	135746.94	178980.20	\$ 119,527.39	\$ 160,454.00	\$ 170,172.00	\$ 117,288	\$ 160,454	\$ 166,643
01-311-6002	OVERTIME WAGES	10177.80	11659.00	\$ 8,915.75	\$ 8,704.00	\$ 11,104.00	\$ 4,712	\$ 7,833	\$ 5,367
01-311-6010	ACCRUED EMPLOYEE BENEFITS	82389.49	105055.03	\$ 72,064.52	\$ 110,682.00	\$ 100,052.00	\$ 70,934	\$ 110,296	\$ 101,421
01-311-6110	PRINTING, PUBLICATION			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-311-6120	DUES/MEMBER/SUBS/TUITION			\$ -	\$ 300.00	\$ -	\$ 210	\$ 750	\$ 210
01-311-6142	PROF. SERV. ARCHT. ENG	240	3000	\$ 6,093.75	\$ -	\$ 6,094.00	\$ -	\$ 2,500	\$ -
01-311-6150	CONTRACT LABOR	1320	1500	\$ 150.00	\$ 1,500.00	\$ 150.00	\$ 1,223	\$ 1,300	\$ 1,268
01-311-6170	MAINT. AGREEMENTS, LEASE	150	500	\$ -	\$ 500.00	\$ 120.00	\$ 133	\$ 1,025	\$ 253
01-311-6180	MEALS, LODGINS, TRAVEL	270	100	\$ -	\$ 150.00	\$ 55.00	\$ -	\$ 750	\$ -
01-311-6201	OFFICE SUP. FURNITURE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-311-6210	OPERATING SUPPLIES	66	100	\$ -	\$ 250.00	\$ 45.00	\$ 60	\$ 250	\$ 60
01-311-6490	EQUIPMENT USE CHARGE	5288	7752	\$ 5,539.00	\$ 6,914.00	\$ 7,245.00	\$ 4,957	\$ 7,323	\$ 7,177
01-311-6905	COMMUNITY DEV BLOCK GRANT			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-311-5509	MISC CAPITAL			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUBTOTAL	\$ 235,598.23	\$ 308,346.23	\$ 212,290.41	\$ 289,454.00	\$ 295,037.00	\$ 199,516	\$ 292,481	\$ 282,399
STREET MAINTENANCE									
01-312-5502	VEHICLES	15		\$ 91,467.00	\$ 91,000.00	\$ 91,467.00	\$ 40,969	\$ 40,969	\$ -
01-312-5507	OTHER EQUIPMENT	36667		\$ 23,239.17	\$ 81,000.00	\$ 23,239.00	\$ -	\$ 30,000	\$ -
01-312-5509	MISC. CAPITAL			\$ -	\$ 5,000.00	\$ -	\$ 5,990	\$ 10,000	\$ -
01-312-6001	SALARIES AND WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-312-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-312-6010	ACCRUED EMPLOYEE BENEFITS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-312-6110	PRINTING, PUBLICATIONS, AD			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-312-6132	UTILITIES-NATURAL GAS, PR			\$ -	\$ 348.00	\$ -	\$ 278	\$ 445	\$ 325
01-312-6150	CONTRACT LABOR	75	300	\$ 68.00	\$ 376.00	\$ 2,063.00	\$ 266	\$ 1,070	\$ 351
01-312-6160	REPAIR SERVICE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-312-6170	MAINT. AGREEMENTS, LEASES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-312-6190	INSURANCE	21866	20666	\$ 19,313.98	\$ 15,855.00	\$ 19,314.00	\$ 14,818	\$ 12,675	\$ 14,818
01-312-6210	OPERATING SUPPLIES	36355	45000	\$ 15,996.08	\$ 50,000.00	\$ 30,624.00	\$ 25,333	\$ 50,000	\$ 39,641
01-312-6220	TOOLS/SMALL EQUIPMENT	22	200	\$ 24.98	\$ 181.00	\$ 25.00	\$ 169	\$ 500	\$ 169
01-312-6450	EQUIPMENT RENTAL	19		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-312-6490	EQUIPMENT USE CHARGES	22510	34388	\$ 23,687.77	\$ 37,161.00	\$ 32,138.00	\$ 24,485	\$ 43,210	\$ 37,239
01-312-6901	MISCELLANEOUS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUBTOTAL	\$ 117,529.00	\$ 100,554.00	\$ 173,796.98	\$ 280,921.00	\$ 198,870.00	\$ 112,909	\$ 188,869	\$ 92,543
ALLEY MAINTENANCE									
01-313-6001	SALARIES AND WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-313-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-313-6010	ACCRUED EMPLOYEE BENEFITS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-313-6210	OPERATING SUPPLIES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-313-6450	EQUIPMENT RENTAL			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-313-6490	EQUIPMENT USE CHARGES	1933	2500	\$ 1,930.14	\$ 2,451.00	\$ 2,484.00	\$ 1,764	\$ 2,450	\$ 2,315
	SUBTOTAL	\$ 1,933.00	\$ 2,500.00	\$ 1,930.14	\$ 2,451.00	\$ 2,484.00	\$ 1,764	\$ 2,450	\$ 2,315
SIDEWALK & PARKING LOT MAINTENANCE									
01-314-6001	SALARIES & WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6010	ACCRUED EMPLOYEE BENEFITS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6110	PRINTING, ADV., PUBLICATIO			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6142	PROF. SERV. ARCHT. ENG. SURV			\$ -	\$ 5,000.00	\$ -	\$ -	\$ 2,500	\$ -
01-314-6150	CONTRACT LABOR			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6160	REPAIR SERVICE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

City of Centralia

01-314-6170	MAINTENANCE AGREEMENTS & LEASES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6190	INSURANCE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6201	OFFICE SUPPLIES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-314-6210	OPERATING SUPPLIES	10195	39000	\$ 1,338.80	\$ 14,500.00	\$ 1,454.00	\$ 19,589	\$ 6,500	\$ 20,460		
01-314-6220	TOOLS/SMALL EQUIPMENT			\$ -	\$ 4,500.00	\$ -	\$ -	\$ 4,500	\$ -		
01-314-6450	RENTAL			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-314-6490	EQUIPMENT USE CHARGES	1118	1698	\$ 1,202.94	\$ 1,500.00	\$ 1,587.00	\$ 1,064	\$ 1,490	\$ 1,554		
01-314-6730	SRTS SIDEWALK CONSTRUCTION			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	SUBTOTAL	\$ 11,913.00	\$ 40,698.00	\$ 2,541.74	\$ 25,500.00	\$ 3,041.00	\$ 20,653	\$ 14,990	\$ 22,014		
STREET BUILDING & GROUNDS											
01-315-6001	SALARIES AND WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-315-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-315-6010	ACCRUED EMPLOYEE BENEFITS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-315-6132	UTILITIES-NATURAL GAS, PR	483	1492	\$ 610.27	\$ 2,063.00	\$ 1,394.00	\$ 844	\$ 1,425	\$ 1,928		
01-315-6133	UTILITIES, TELEPHONE, FAX	3548	4283	\$ 2,660.78	\$ 3,754.00	\$ 4,003.00	\$ 2,759	\$ 2,560	\$ 3,726		
01-315-6150	CONTRACT LABOR	2221	2000	\$ 1,235.22	\$ 1,265.00	\$ 2,112.00	\$ 934	\$ 2,000	\$ 1,272		
01-315-6160	REPAIR SERVICES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-315-6170	MAINT AGREEMENTS & LEASES	1036	922	\$ 684.99	\$ 800.00	\$ 862.00	\$ 540	\$ 560	\$ 720		
01-315-6190	INSURANCE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-315-6201	OFFICE SUPP FURNITURE/EQU			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-315-6210	OPERATING SUPPLIES	2677	6500	\$ 2,823.28	\$ 10,000.00	\$ 5,822.00	\$ 406	\$ 3,200	\$ 2,554		
01-315-6220	TOOLS/SMALL EQUIPMENT		328	\$ -	\$ 250.00	\$ 306.00	\$ 11	\$ 250	\$ 11		
01-315-6490	EQUIPMENT USE CHARGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-315-5510	BUILDING IMPROVEMENTS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	SUBTOTAL	\$ 9,965.00	\$ 15,525.00	\$ 8,014.54	\$ 18,132.00	\$ 14,499.00	\$ 5,493	\$ 9,995	\$ 10,211		
SNOW & ICE REMOVAL											
01-316-6001	SALARIES AND WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-316-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-316-6010	ACCRUED EMPLOYEE BENEFITS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-316-6160	REPAIR SERVICE		150	\$ 140.19	\$ -	\$ 140.00	\$ -	\$ -	\$ -		
01-316-6210	OPERATING SUPPLIES	5288	30000	\$ 26.18	\$ 19,000.00	\$ 4,695.00	\$ 14,533	\$ 18,005	\$ 16,895		
01-316-6490	EQUIPMENT USE CHARGES	5440	7899	\$ 5,312.77	\$ 9,672.00	\$ 7,383.00	\$ 5,444	\$ 11,555	\$ 9,832		
	SUBTOTAL	\$ 10,728.00	\$ 38,049.00	\$ 5,479.14	\$ 28,672.00	\$ 12,218.00	\$ 19,977	\$ 29,560	\$ 26,727		
STREET & SIGN MAINTENANCE											
01-317-6001	SALARIES AND WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-317-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-317-6010	ACCRUED EMPLOYEE BENEFITS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-317-6150	CONTRACT LABOR			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-317-6160	REPAIR SERVICE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-317-6210	OPERATING SUPPLIES	7184	7717	\$ 4,833.36	\$ 7,500.00	\$ 7,212.00	\$ 4,778	\$ 4,250	\$ 4,853		
01-317-6220	TOOLS/SMALL EQUIPMENT			\$ -	\$ -	\$ -	\$ -	\$ 100	\$ -		
01-317-6490	EQUIPMENT USE CHARGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	SUBTOTAL	\$ 7,184.00	\$ 7,717.00	\$ 4,833.36	\$ 7,500.00	\$ 7,212.00	\$ 4,778	\$ 4,350	\$ 4,853		
STORM DRAINAGE											
01-318-6001	SALARIES AND WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-318-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-318-6010	ACCRUED EMPLOYEE BENEFITS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-318-6142	PROF.SERV.ARCH.ENGS. & SUR	2500		\$ -	\$ 2,500.00	\$ -	\$ -	\$ 2,500	\$ -		
01-318-6150	CONTRACT LABOR		500	\$ -	\$ 500.00	\$ -	\$ -	\$ -	\$ 487		
01-318-6170	MAINT AGREEMENTS & LEASES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-318-6210	OPERATING SUPPLIES	4508	8000	\$ 3,292.73	\$ 10,000.00	\$ 7,303.00	\$ 4,172	\$ 12,000	\$ 7,947		
01-318-6220	TOOLS/SMALL EQUIPMENT		50	\$ -	\$ -	\$ -	\$ -	\$ 50	\$ -		
01-318-6450	RENTAL			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
01-318-6490	EQUIPMENT USE CHARGES	7953	18000	\$ 15,993.28	\$ 13,320.00	\$ 17,341.00	\$ -	\$ 12,354	\$ -		
01-318-5509	MISCELLANEOUS CAPITAL		200000	\$ 39,329.21	\$ 120,000.00	\$ 41,129.00	\$ 18,362	\$ 202,000	\$ -		

City of Centralia

01-318-6901	MISCELLANEOUS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUBTOTAL	\$ 12,461.00	\$ 229,050.00	\$ 58,615.22	\$ 146,320.00	\$ 65,773.00	\$ 22,595	\$ 228,904	\$ 8,334	\$ -
BRUSH & TREE CONTROL										
01-319-6001	SALARIES AND WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-319-6002	OVERTIME WAGES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-319-6010	ACCRUED EMPLOYEE BENEFIT			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-319-6160	REPAIR SERVICE	80		\$ 75.00	\$ -	\$ 75.00	\$ -	\$ -	\$ -	\$ -
01-319-6170	MAINT AGREEMENTS & LEASES			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
01-319-6210	OPERATING SUPPLIES	2500		\$ 11.99	\$ 2,650.00	\$ 48.00	\$ -	\$ 2,650	\$ -	\$ -
01-319-6490	EQUIPMENT USE CHARGE	1000		\$ 583.38	\$ 1,355.00	\$ 689.00	\$ 615	\$ 948	\$ 1,338	\$ -
	SUBTOTAL	\$ -	\$ 3,580.00	\$ 670.37	\$ 4,005.00	\$ 812.00	\$ 615	\$ 3,598	\$ 1,338	\$ -
	TOTAL	\$ 406,711	\$ 746,019	\$ 468,172	\$ 802,955	\$ 599,946	\$ 387,640	\$ 775,197	\$ 450,934	\$ -
CAPITAL SUMMARY										
29-300-5509	CAPITAL EXPENDITURES	432085	349515	\$ 233,854.14	\$ 283,830.00	\$ 233,854.00	\$ 317,824	\$ 362,085	\$ 306,783	\$ -
	TOTAL ALL EXPENDITURES	\$ 838,796	\$ 1,095,534	\$ 702,026	\$ 1,086,785	\$ 833,800	\$ 705,463	\$ 1,137,282	\$ 757,716.88	\$ -
REVENUES										
29-041-4020	TRANSPORTATION SALES TAX	235014	285406	\$ 215,113.89	\$ 246,039.00	\$ 291,230.00	\$ 162,279	\$ 251,330	\$ 251,060	\$ -
29-043-4330	CDBG GRANT REVENUE			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29-043-4350	COUNTY GRANT REVENUE	96593	105827	\$ 107,986.94	\$ 95,968.00	\$ 107,987.00	\$ 97,927	\$ 71,080	\$ 97,927	\$ -
01-043-4304	COUNTY ROAD & BRIDGE	87127	94024	\$ 95,942.87	\$ 75,595.00	\$ 95,942.87	\$ 77,138	\$ 65,000	\$ 77,138	\$ -
	TOTAL ALL REVENUES	\$ 418,734	\$ 485,257	\$ 419,044	\$ 417,602	\$ 495,160	\$ 337,344	\$ 387,410	\$ 426,125.00	\$ -

City of Centralia

CAPITAL IMPROVEMENT PROJECTS

FISCAL YEAR 2024 - 2025

ASPHALT OVERLAY - PROJECTED EXPENDITURES

Street	Segment	Width	Length	Depth in Inches	Estimated Tons of Asphalt / Cub. Yds Concrete	Road Condition	Add'l costs	Estimates	FY 2024-25	FY 2025-26	FY 2026-27
Friendship Alley	Singleton to City of Centralia lot	16	260	2	50.27			4,846.03	4,846		
Alley by City Lot	Rollins to Collier	16	300	2	58.00			5,591.20	5,591		
Rollins St.	Switzler to Southgate	25	455	2	138.00			13,303.20	13,303		
Collier St.	Switzler to Southgate	25	455	2	138.00			13,303.20	13,303		
Coulter St.	All	20	766	2	185.15			17,848.46	17,848		
Kennan St.	All	20	390	2	94.25			9,085.70	9,086		
Walnut	Rodemyre to Sims	18	1550	4	421.00			40,584.40	40,584		
Bicentennial	All			2	680.00			65,552.00	65,552		
Switzler	Jefferson to Hwy 124	28	3058	2	1034.00			99,677.60	99,678		
S Central	Campbell to dead end going North			2	461.00			44,440.40	44,440		
City Parking Lot	Parking lot next to Extreme Mart			2	195.00			18,798.00	18,798		
Electric Shop	Entry, new parking lot, existing			2	171.00			16,484.40	16,484		
Golf Course	All			2	516.00			49,742.40		49,742	
Jenkins	Barnes to Sneed	24	1000	2	290.00			27,956.00		27,956	
Rollins	Gano to Cox	29	1631	2	571.00			55,044.40		55,044	
Brick	Lee to dead end going West	20	253	2	61.14			5,893.90		5,894	
Southgate	Howard Burton to Jefferson	23	1308	4	363.52			35,043.33		35,043	
Southgate	Allen to Switzler	20	1207	2	363.52			35,043.33		35,043	
Collier	Switzler to Southgate	25	460	4	138.96			13,395.74		13,396	
Kellogg	All		253	4	108.00			10,411.20		10,411	
Sims	Jefferson to dead end going West	20	2619	2	898.00			86,567.20			87,433
Lakeview	Jefferson to railroad tracks	28	2654	2	898.00			86,567.20			87,433
Porter	Tarr to Southland	22	305	2	81.08			7,816.11			7,894
Pool	All	18	930	2	202.00			19,472.80			19,668
Tidball	All	24	1262	2	366.00			35,282.40			35,635
					7234+1600						-

Cost Totals

Total Tons

	\$ 817,751	\$ 349,515	\$ 232,530	\$ 238,063
8482.89	8482.89	3625.67	2412.14	2445.08
Less Contingency Reserve / Grant Funds				
Total from Transportation Sales Tax Fund	\$ 349,515	\$ 232,530	\$ 238,063	

Centralia Special Road District

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity:

Centralia Special Road District of Boone County Mo.

Reporting on Calendar Year:

2024

Narrative for use of funds received

Routine maintenance of roadways within the District, including the hauling of gravel and blading of unpaved roads, repairing paved roads, replacing culverts, cutting brush and mowing right of way as needed. Repairing and replacing equipment as needed.

Narrative on overall condition of roads and bridges within reporting municipality:

The overall condition of the gravel roads in the District are considered to be in average or better condition. The condition of the blacktop roads are average to good with some showing stress due to the extreme dry weather.

The Bridges are in average condition considering their age.

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions – all figures as of 11/30/2024

1. As of 11/30/2024 have hauled \$50,795.56 of rock on unpaved roads
2. Overlaid one section of blacktop road and patched one other at a cost of \$137,275.00
3. Replaced culverts totaling \$4,600.00 plus installation cost of \$25,115.20
4. Spent \$22,100.00 on new Brush Hog mower.

City of Columbia

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity: City of Columbia

Reporting on Calendar Year: 2024

Narrative for use of funds received The City of Columbia will be using the funds for major maintenance on Garth Avenue between the Business Loop 70 and Thurman Street.

Narrative on overall condition of roads and bridges within reporting municipality:

The City of Columbia maintains 1,458 lane miles of streets and 43 bridges/structures that span a minimum of 20 feet. The City's street network is currently inspected on a 3 cycle, which means that 1/3 of the streets within the City are inspected every year using the PASER rating system. The City's current overall average PASER rating is a 6.70. The City's 43 bridges and structures are inspected by MoDOT and City staff every 2 years. Of the 43 structures, during the previous rating, 36 were rated as Not Deficient, 2 were functionally deficient and 5 were structurally deficient with 2 of those with work planned or begun for replacement/repair (work now completed) and 1 with planned replacement in 2025/2026.

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions _Major Maintenance on Garth Avenue, From Business Loop 70 to Thurman. The improvements will include sidewalk and curb ramp repair, pavement repair, curb and gutter repair, and an asphalt overlay. The project will also include improving the pedestrian crossing at the elementary school.

City of Hallsville

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity: City of Hallsville

Reporting on Calendar Year: July 1, 2023 - June 30, 2024

Narrative for use of funds received The Road and Bridge funding was used to finish the concrete road on Mason Court in Meadows Ledg Subdivision by Hallsville Public Works Department and fix the sidewalk in Douglas Pointe.

Narrative on overall condition of roads and bridges within reporting municipality:

Overall the conditions of the roads are decent. Funds are being put back to do road work in the future.

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions _ Carry over from fiscal year 2022/2023 was \$161,458.08. \$15,187.02 was used to finish the concrete road in Mason Court in Meadows Ledg Subdivision by Hallsville Public Works Department. \$640.00 was used to repair a sidewalk in Douglas Pointe subdivision. \$12,120.00 was used to purchase 15 (5 sets) of speed humps to continue the speed hump project throughout Hallsville. Carry over funds will be put back for future street repairs.

Town of Harrisburg

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity: Town of Harrisburg

Reporting on Calendar Year: 2023

Narrative for use of funds received
2023 funds will be used (along with the balance of 2020, 2021, & 2022 Funds) as described in the next section.

Narrative on overall condition of roads and bridges within reporting municipality:
Waiting for the completion of Timberlake subdivision to begin paving Hughes Rd. Also, plan to do work on Eaton Road, Depot Street, Railroad Street, & Short Street

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions
2023 funds will be carried forward for the projects described above, along with the balance of 2020, 2021, & 2022.

Town of Harrisburg

ROAD & BRIDGE ANNUAL SUMMARY REPORT

Page 2

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TOTAL

I declare that I have examined this report, including accompanying schedules and statements, and to the best of my knowledge; certify that the information provided above is true, complete and accurate.

Henry K. Fisher, III, CPA

12/26/24

Signature

Date

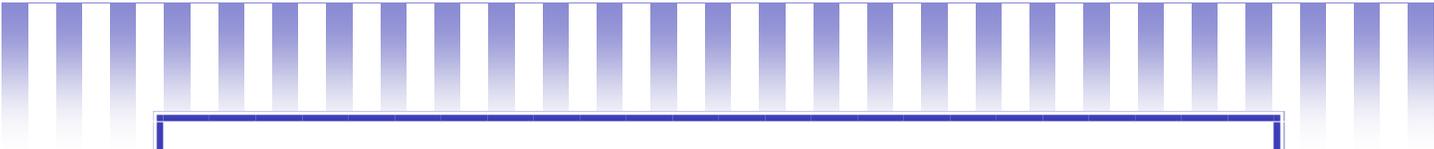
Title CPA
Henry K. Fisher, III, CPA

573-881-

9900

Printed Name

Day Time Phone number



Village of Hartsburg

Report not received by date
needed to publish

City of Huntsdale

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity:

Village of Huntsdale

Reporting on Calendar Year:

2021 - 2024

Narrative for use of funds received

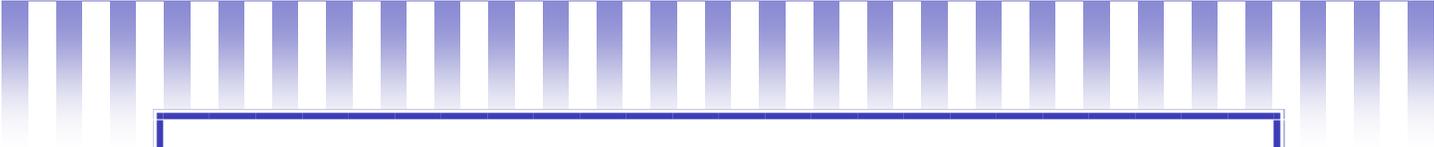
Sign Replacement - Roadside @ Lawn. Ave.

Narrative on overall condition of roads and bridges within reporting municipality:

All Roads Need Repair. and A Few Need
to Be Established as Maping

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions



City of McBaine

Report not received by date
needed to publish

Village of Pierpont

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity: _____ Village of Pierpont

Reporting on Calendar Year: _____ 2024/2025 _____

Narrative for use of funds received _____
_____ none _____

Narrative on overall condition of roads and bridges within reporting municipality:
good

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions _ _____ none

Village of Pierpont

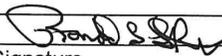
ROAD & BRIDGE ANNUAL SUMMARY REPORT

Page 2

none

TOTAL
none

I declare that I have examined this report, including accompanying schedules and statements, and to the best of my knowledge; certify that the information provided above is true, complete and accurate.


Signature 1/16/15
Date

Chairman if the Board Title

Ronald L. Skiles 573 9991212
Printed Name Day Time Phone
number

City of Rocheport

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity:

City of Rocheport

Reporting on Calendar Year:

2024

Narrative for use of funds received

PLEASE SEE ATTACHED

Narrative on overall condition of roads and bridges within reporting municipality:

FAIR CONDITIONS

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions

Diesel Fuel
Copper Sales & welding - Central d 1st street
Log Sucker Saw street Fill
SEH Paul Excavating - 97 PIKE Sewer Repair
TOWN & PISURE Block

City of Rocheport

ROAD AND BRIDGE SUMMARY REPORT FOR 2024 CITY OF ROCHEPORT, MO

2/5/2024	DIESEL FUEL	\$77.75		
6/25/2024	COOPER SALES WELDING	\$842.38	CENTRAL AND 1ST	1 1/4" ROAD ROCK
8/28/2024	LOU SWACKER SETH PAUL	\$231.82	GAW STREET	FILL
8/31/2024	EXCAV LAWN AND	\$12,686.14	97 PIKE STREET	PROJECT SEWER REPAIR COMPLETED
9/23/2024	LEISURE	\$74.97	BLADE	

TOTAL EXPENSES **\$13,913.06**

City of Sturgeon

ROAD & BRIDGE ANNUAL SUMMARY REPORT

For use by all Entities (Application, Formula and Centralia Special Road District) to provide annual information in accordance with the Cooperative Agreement entered into with Boone County, Missouri (Commission Orders 459-2011 through 471-2011 approved on November 15, 2011, by the Boone County Commission).

Reporting Entity:
City of Sturgeon

Reporting on Calendar Year:
2024

Narrative for use of funds received
Street paving started since City had accumulated the funds to pave a few roads
in town.

Narrative on overall condition of roads and bridges within reporting municipality:

The overall condition of roads around town are starting to show a lot of signs of wear
and tear.

Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.

Projects with descriptions

The board of Alderman had a few roads paved in town by Christensen Construction Company Inc. The cost was \$ 193,661.50 to lay a 2" overlay on North Fairgrounds to North end of Proctor, fine grade Tumbleweed with a 5" asphalt base and to lay a surface mix on Tumbleweed. They also spread rock at the cemetery drive off of Tumbleweed.

This was the maximum our budget allowed this year. We still have several roads in town that need attention. We will continue to save/put away money received

(see next page)

City of Sturgeon

Christensen Construction Company, Inc.

PO Box 159

Kingdom City, MO 65262

(573) 814-3308

Invoice

DATE	INVOICE #
11/5/2024	32869

BILL TO
City of Sturgeon PO Box 387 Sturgeon, MO 65284

DESCRIPTION	AMOUNT
PROJECT: CITY OF STURGEON - CITY STREETS 2024	
Line Item 1 - Mobilization	5,000.00
Line Item 2 - Fine Grade Tumbleweed and Spread Rock at Cemetery	28,231.50
Line Item 3 - 5 Inch Asphalt Base Tumbleweed	42,390.00
Line Item 4 - Surface Mix Tumbleweed	17,480.00
Line Item 5 - 2" Overlay North Fairgrounds to North End of Proctor	85,560.00
Line Item 6 - Tack	4,000.00
Line Item 7 - Depth Transitions	11,000.00
TOTAL FOR CITY STREETS = \$193,661.50	<u>193,661.50</u>
PROJECT: ASPHALT IMPROVEMENTS AT CITY PARK	
Overlay concrete basketball court.	8,700.00
Stripe basketball court (minus 3 point lines)	2,585.00
TOTAL FOR CITY PARK = \$11,285.00	<u>11,285.00</u>
Thank You ! Your business is greatly appreciated.	Total \$204,946.50

NOTICE TO OWNERS: Failure of this contractor to pay those persons supplying services to complete this contract can result in the filing of a mechanic's lien on the property which is the subject of this contract pursuant to Chapter 429, RsMo. To avoid this result you may ask this contractor for "Lien Waivers" from all persons supplying services for the work described in this contract. Failure to secure lien waivers may result in you paying for labor and materials twice. Customer consents to venue for any action related to this contract being in Callaway County, Missouri and agrees to pay all collection costs, including attorney fees.

Meet the Staff Engineering



From the left: Pat Devaney, Professional Civil Engineer; Micah Taylor, Professional Civil Engineer; Dan Haid, Professional Civil Engineer and Jeff McCann, Chief Engineer.



Meet the Staff Road Inspectors



From the left:
Darin Sapp, Road/
Stormwater
Inspector; Josh
Bailey, Road/
Stormwater
Inspector; Christina
Crane, Administra-
tive Coordinator;
and Keith Austin,
Chief Road/
Stormwater
Inspector.



Meet the Staff Stormwater

From the left: Nicki Rinehart, Stormwater Coordinator; Lynne Hooper, Urban Hydrologist; Michele Woolbright, Stormwater Educator.

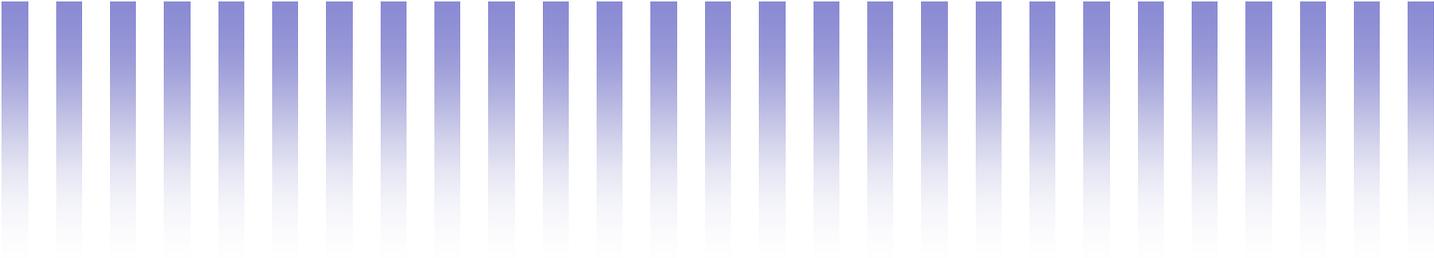


Meet the Staff Administration & Right of Way



From the left: Kelle Westcott, Budget Administrator and Natalie Meighan, Right-of-Way Agent.





Vision Statement

All citizens of Boone County benefit from a safe, modern and well maintained transportation system which results in a high level of trust and confidence placed in Boone County Road and Bridge & Boone County Resource Management-Engineering Division.

Department Information

Boone County Road & Bridge

5551 S Tom Bass Road

Columbia, MO 65201

Phone: 573-449-8515

Fax: 573-875-1602

E-mail:

PublicWorks@boonecountymo.org

Responsibilities

- **Routine Maintenance: Bridge Deck Sealing, Vegetation control, Crack Sealing & Snow Removal**
- **Culvert Clean Out & Replacement**
- **Gravel Road Maintenance**

Boone County Resource Management

801 East Walnut, Room 315

Columbia, MO 65201

Phone: 573-886-4480

Fax: 573-886-4340

E-mail:

resmgt@boonecountymo.org

Responsibilities

- **Contracted Construction Projects**
- **Contracted Pavement Preservation Applications**
- **Infrastructure Inspection**
- **Infrastructure Improvement**