

*Boone County Road  
& Bridge 2023  
Annual Report*



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

# 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.

## 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 2023 as well as our 2024 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 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

## TABLE OF CONTENTS

EXPENSE CHARTS	1-4
PAVEMENT PRESERVATION	5-9
ASPHALT REHAB	10
CONCRETE REHAB	11-12
DRAINAGE STRUCTURES	13
2024 PLAN	14-19
INFRASTRUCTURE CONDITION	20-28
SURVEYING	29
RIGHT OF WAY	29-31
STORMWATER	32-49
SALES TAX DISTRIBUTION	50-81
STAFF	82-85



## *Requirement #1*

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

*Fiscal Year 2023 Expenses*

## Boone County Resource Management/Road & Bridge



# FY2023 EXPENSES

## Road & Bridge Expenditures Yearly Comparison

	2015 <u>Actual</u>	2016 <u>Actual</u>	2017 <u>Actual</u>	2018 <u>Actual</u>	2019 <u>Actual</u>
Maintenance	\$ 8,025,593	\$ 7,136,781	\$ 7,095,987	\$ 7,063,077	\$ 7,128,059
Road Infrastructure Rehab Preservation	4,161,622	3,488,468	5,171,587	3,706,517	6,646,329
Road Inspection	1,147,802	1,122,565	1,037,361	2,586,288	1,195,385
Stormwater Planning	85,783	115,563	117,043	114,620	110,767
Administrative Services Charge	241,755	329,163	405,000	538,000	630,000
Insurance Activity	2,753	10,870	8,647	44,941	23,862
Facility Repair & Replacement	50,000	50,000	50,000	150,000	150,000
Property Tax Distribution	249,839	247,149	258,052	264,403	271,372
Sales Tax Distribution	2,694,854	2,680,370	2,739,268	2,718,437	2,757,898
CART/MV Distribution to Road District	87,359	87,494	89,271	88,168	89,095
Other	517,760	13,246	6,487	131,927	158,964
<b>Total</b>	<b>\$ 17,265,120</b>	<b>\$ 15,281,669</b>	<b>\$ 16,978,703</b>	<b>\$ 17,406,378</b>	<b>\$ 19,161,731</b>
	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Estimated</u>	<u>Budget</u>
Maintenance	\$ 6,960,412	\$ 5,330,388	\$ 6,337,319	\$ 8,147,273	\$ 8,368,924
Road Infrastructure Rehab Preservation	3,741,156	4,120,555	4,322,611	5,014,908	5,252,000
Road Inspection	1,022,210	227,413	235,871	260,742	348,045
Stormwater Planning	114,628	138,760	157,422	168,284	355,906
Fleet Maintenance Operations	-	1,421,767	1,553,367	1,487,459	1,782,366
Traffic/Sign	-	139,377	142,608	149,973	180,080
R&B -Administration	-	288,251	232,702	307,225	386,152
Facilities Maintenance/Custodial	-	121,163	97,267	267,301	136,427
RM-Administration	-	132,290	165,661	216,210	568,027
RM-Engineering	-	1,271,067	515,761	536,475	605,499
R&B IT Hardware & Software	-	-	74,696	104,966	138,072
Administrative Services Charge	675,000	615,030	675,000	690,000	690,000
Insurance Activity	1,782	372,726	170,951	203,092	247,500
Facility Repair & Replacement	150,000	150,000	150,000	150,000	870,000
Property Tax Distribution	279,453	290,722	283,303	326,402	334,562
Sales Tax Distribution	2,745,457	2,784,609	3,194,628	3,397,663	3,497,835
CART/MV Distribution to Road District	86,126	94,351	106,787	116,264	108,750
Other	182,193	8,075	9,401	10,000	523,410
<b>Total</b>	<b>\$ 15,958,417</b>	<b>\$ 17,506,544</b>	<b>\$ 18,425,355</b>	<b>\$ 21,554,237</b>	<b>\$ 24,393,555</b>

Amounts shown above are actual dollars spent 2015 through 2022, projected dollars spent for 2023 and budgeted dollars for 2024.

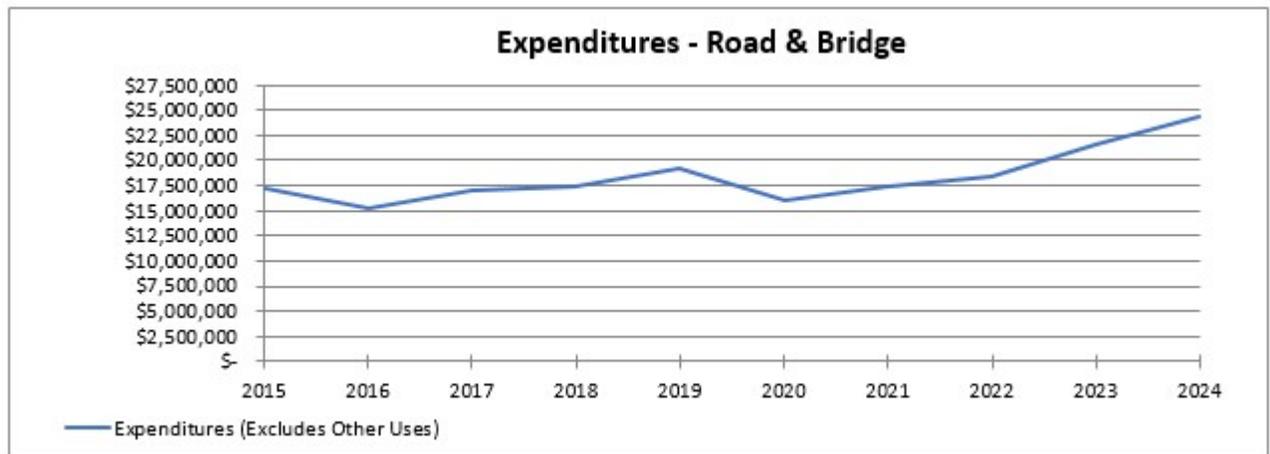
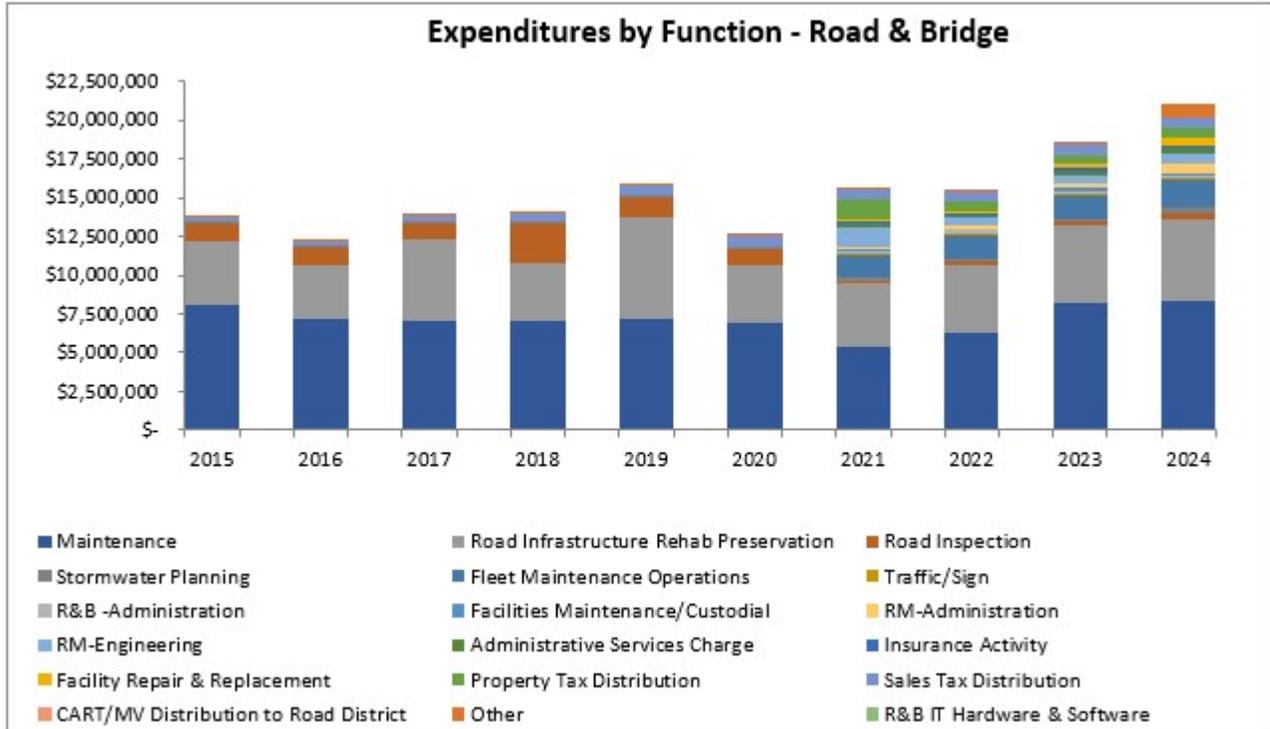
Prior to 2015 money dedicated to Pavement Preservation and Rehabilitation projects were budgeted in different categories. Beginning with the 2015 budget Pavement Preservation and Rehabilitation projects were classified in the same category.

# Boone County Resource Management/Road & Bridge



## FY2023 EXPENSES

### Road & Bridge Expenditures Yearly Comparison



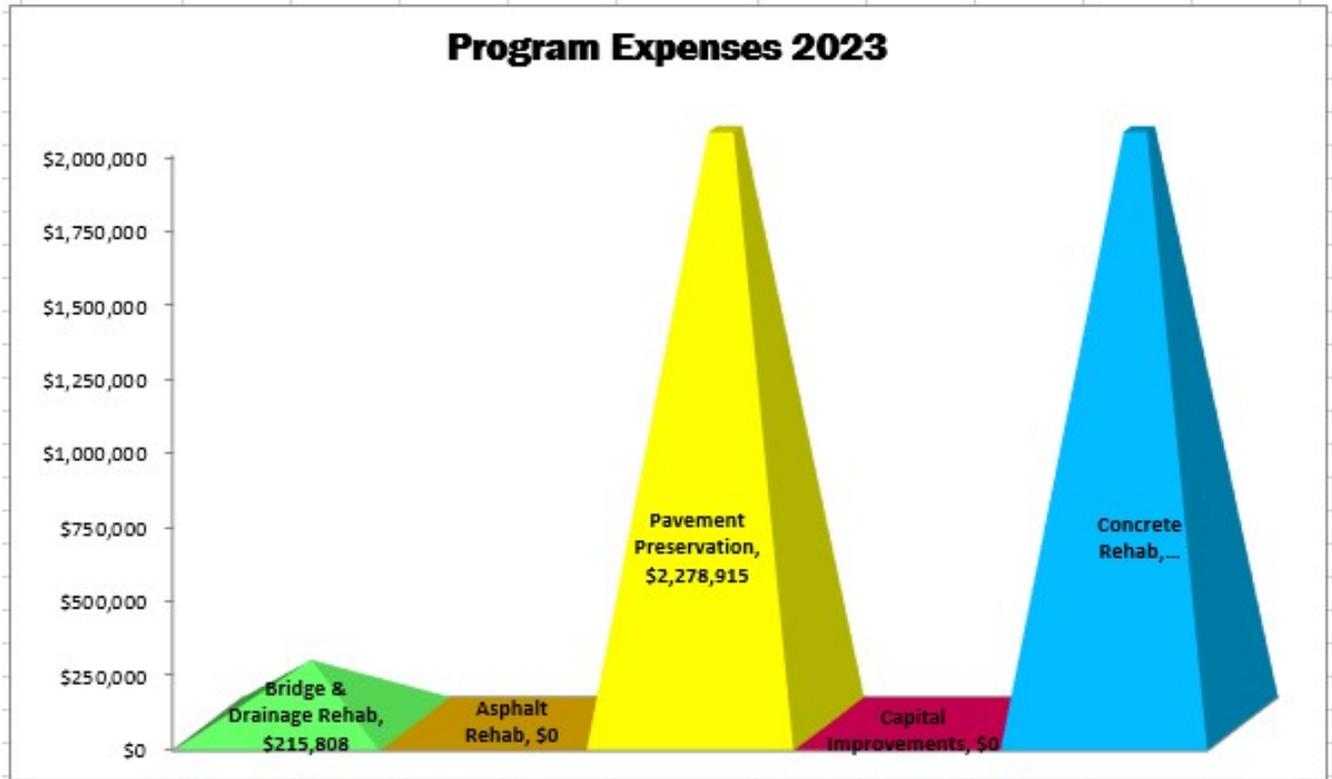
- ◆ **2019 Infrastructure Preservation & Rehab funding increased for the El Chaparral Concrete Rehab project**
- ◆ **2020 Infrastructure Preservation & Rehab funding increased for County participation in the replacement of the I-70 bridge at Rocheport**
- ◆ **2021 Infrastructure Preservation & Rehab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

Boone County Resource Management/Road & Bridge



# FY2023 EXPENSES

## Road & Bridge Expenditures

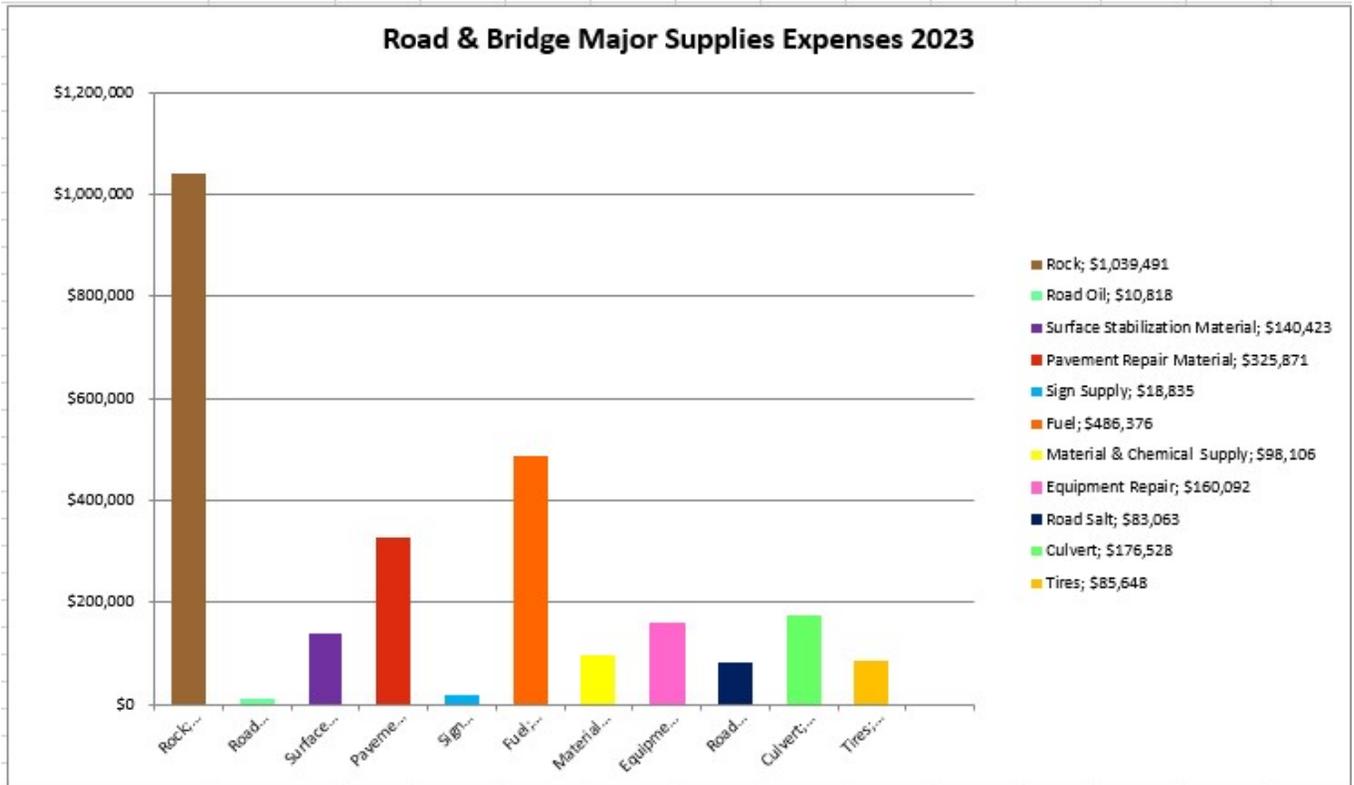


# Boone County Resource Management/Road & Bridge



## FY2023 EXPENSES

### Road & Bridge Expenditures



**Boone County Resource Management/Road & Bridge**



# **FY2023 PROJECT MONEY EXPENDED**

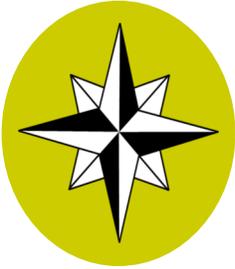
## **Pavement Preservation**

**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, surface seal 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!



# FY2023 PROJECT MONEY EXPENDED

## Pavement Preservation

### 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.

#### ASPHALT OVERLAY 2023 PROJECT LOCATIONS



Colchester Road and Trobridge Road



Enterprise Drive



# FY2023 PROJECT MONEY EXPENDED

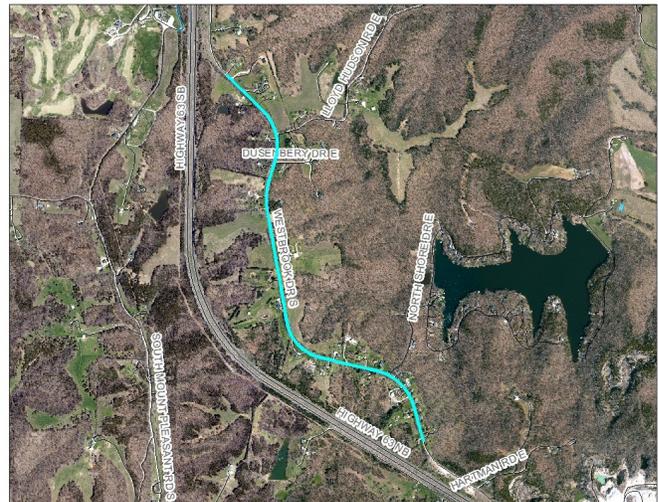
## Pavement Preservation

### Asphalt Overlay

#### ASPHALT OVERLAY 2023 PROJECT LOCATIONS



Olivet Road



Westbrook Drive

#### 2023 Asphalt Overlay

- ◆ Covered 68,883 Square Yards
- ◆ 26,191 Linear Feet or 4.96 Centerline miles
  - ◆ Total Construction Cost \$829,068.34
  - ◆ Cost per Square Yard \$12.04
  - ◆ Cost per Centerline Mile \$167,150.88



# **FY2023 PROJECT MONEY EXPENDED**

## **Pavement Preservation**

### **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.**

#### **2023 Preservation Chip Seal**

- ◆ Covered 453,481 Square Yards (2 sizes of rock)**
- ◆ 163,642 Linear Feet or 31.0 Centerline miles**
  - ◆ Total Construction Cost \$1,307,944.97**
    - ◆ Cost per Square Yard \$2.88**
  - ◆ Cost per Centerline Mile \$42,191.77**

Boone County Resource Management/Road & Bridge

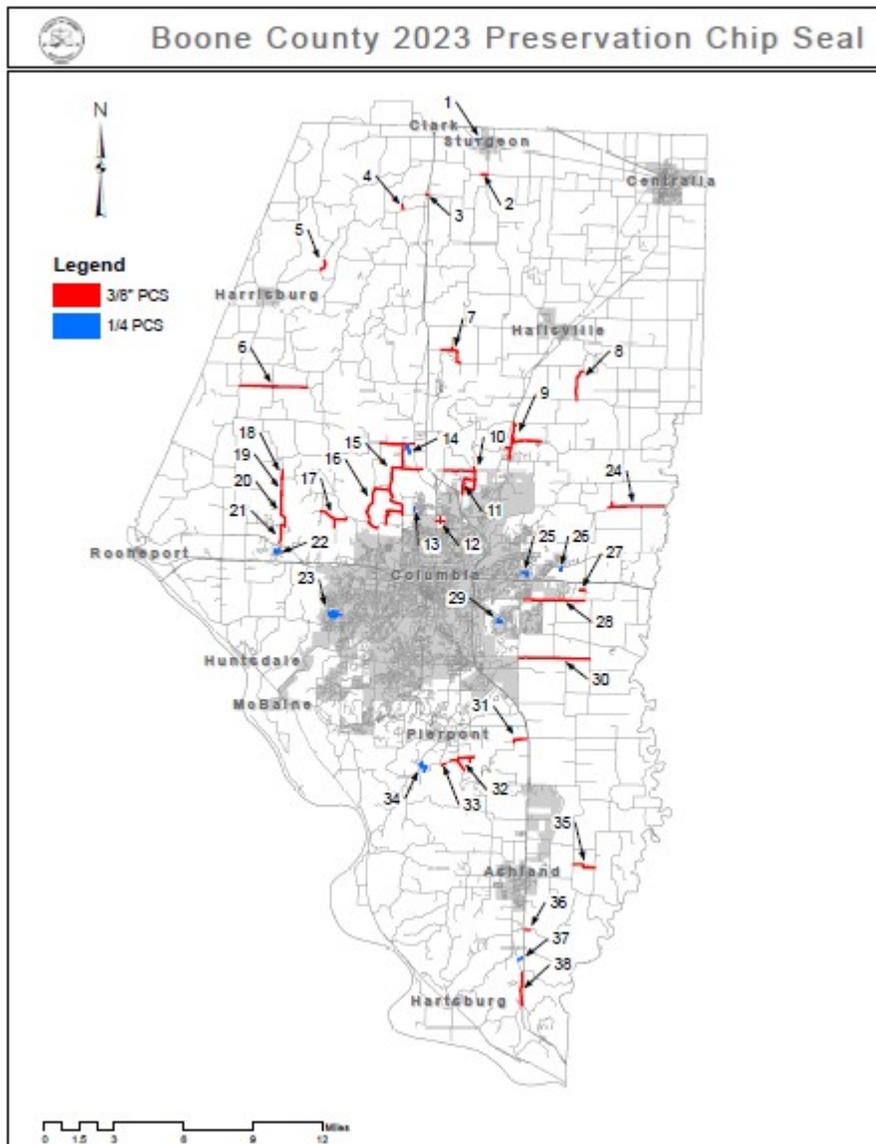


# FY2023 PROJECT MONEY EXPENDED

## Pavement Preservation

### Preservation Chip Seal

#### PRESERVATION CHIP SEAL 2023 PROJECT LOCATIONS





# **FY2023 PROJECT MONEY EXPENDED**

## **Asphalt Rehabilitation**

In late summer of 2017, when planning began for the FY2018 budget, no projects met the criteria for development of an asphalt rehabilitation project. Based on that knowledge, Resource Management Engineering prepared a work plan that included additional spending on concrete and bridge projects that met requirements in those classifications. The Boone County Commission accepted the recommendation to redistribute funds typically used for asphalt rehabilitation to concrete and bridge rehabilitation projects for budget construction years 2018 through 2023. There were no developments that changed this plan.

## **Chip Seal**

Within the pages of this report you will see reference to two types of chip seal. The major differences and uses between the two is shown below.

**Limestone Chip Seal** is a surface treatment consisting of a heavy application of emulsified road oil and limestone chips. This routine maintenance activity is applied by the Road and Bridge Department, on a four year cycle to gravel roads that have previously had a limestone chip seal. Many years ago this treatment was used as an interim dust control method and to control erosion on gravel road segments with steep hills. This remedy as a dust control method for roads was discontinued due to high cost. The name “Limestone Chip Seal” is now a bit of a misnomer because in recent years, the aggregate has been changed to river rock for increased durability. Use of the harder rock will allow for longer time periods between treatment applications.

**Preservation Chip Seal** is a surface treatment using Iron Mountain Trap Rock, a very hard and durable rock, that provides a wearing surface and traction. This maintenance technique is applied to asphalt roads on an eight year cycle.



# **FY2023 PROJECT MONEY EXPENDED**

## **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.**

**Boone County Resource Management/Road & Bridge**



# **FY2023 PROJECT MONEY EXPENDED**

## **Concrete Rehabilitation**

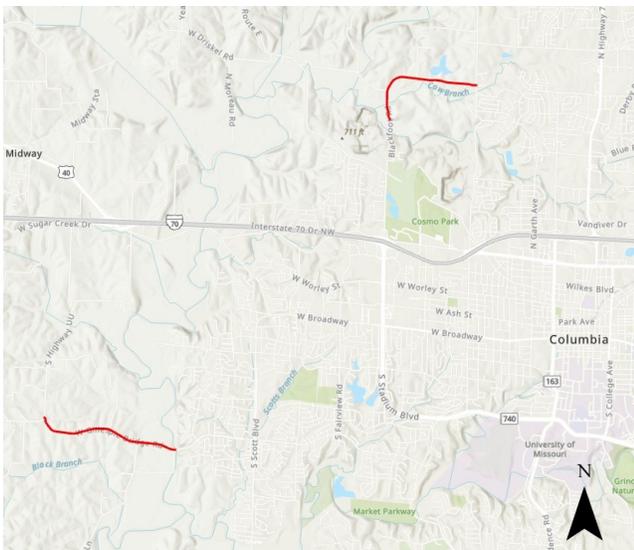
### **PROJECT OVERVIEW:**

\* Targeted removal and replacement of failed concrete panels. Milling of concrete pavement and installation of an asphalt overlay were the steps taken to reconstruct these streets.

### **PROJECT EXPLANATION:**

\* The number of damaged and failed concrete pavement panels warranted a reconstruction project to lessen the ongoing maintenance burden and provide a longer lasting, maintainable solution.

### **CONCRETE REHAB 2023 PROJECT LOCATION**



**Gillespie Bridge Road and Obermiller Road**

### **2023 Concrete Rehab Project Cost**

- ◆ **Covered 74,896 Square Yards**
- ◆ **16,644 Linear Feet or 3.15 Centerline miles**
- ◆ **Total Construction Cost \$2,255,808.35**
- ◆ **Cost per Square Yard \$30.12**
- ◆ **Cost per Centerline Mile \$716,129.63**

**Boone County Resource Management/Road & Bridge**



# **FY2023 PROJECT MONEY EXPENDED**

## **Drainage Structures**

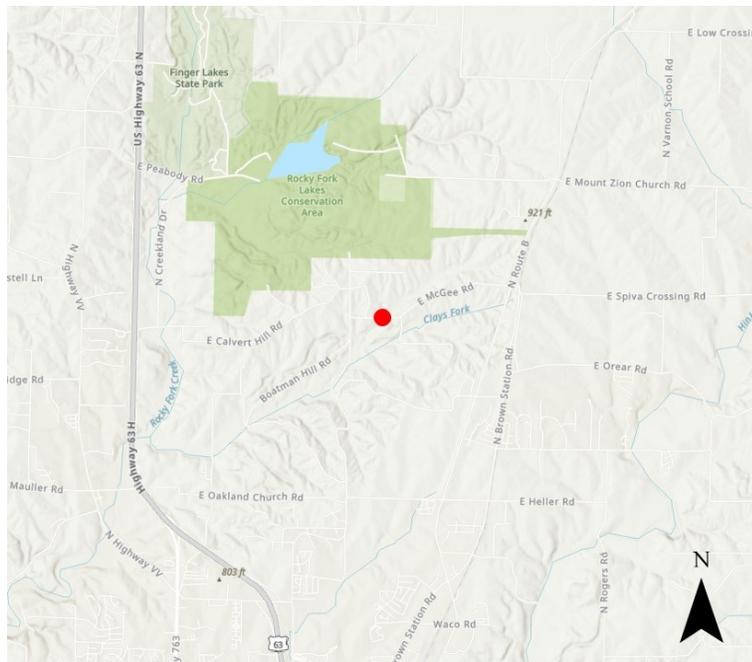
### **PROJECT OVERVIEW:**

- \* **Removal of existing single, 7 foot diameter steel pipe crossing on McGee Road. Construction of bedding pad and install 16 foot wide X 7 foot high precast concrete box culvert.**

### **PROJECT EXPLANATION:**

- \* **Replace corrugated metal pipe culvert that had reached the end of its functional life.**

### **2023 PROJECT LOCATION**



### **Project Construction Cost**

**◆ \$178,505.00**



## *Requirement #2*

**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.**

*Fiscal Year 2024 Plan*



# FY2024 WORK PLAN

## ROAD & BRIDGE REVENUE YEARLY COMPARISON

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

	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Actual
Property Tax	\$ 1,449,860	\$ 1,506,835	\$ 1,542,304	\$ 1,577,547	\$ 1,654,751
Sales Tax	14,017,758	14,270,107	14,322,240	14,215,362	14,181,969
Motor Vehicle Sales Tax	508,312	508,987	534,408	526,497	541,022
County Aid road Tax	1,233,074	1,246,749	1,255,175	1,229,266	1,244,912
Intergovernmental	228,034	38,716	132,025	1,554,369	54,628
Charges for Services	129,040	35,054	34,170	32,559	36,096
Interest & Other	99,198	115,961	174,186	307,549	518,392
<b>Total</b>	<b>\$ 17,665,276</b>	<b>\$ 17,722,409</b>	<b>\$ 17,994,508</b>	<b>\$ 19,443,149</b>	<b>\$ 18,231,770</b>

	2020 Actual	2021 Actual	2022 Actual	2023 Estimated	2024 Budget
Property Tax	\$ 1,703,606	\$ 1,662,866	\$ 1,916,166	2,003,400	\$ 2,075,100
Sales Tax	14,452,403	16,801,034	17,903,676	20,723,291	21,137,757
Motor Vehicle Sales Tax	554,279	628,770	597,259	625,000	575,000
County Aid road Tax	1,167,735	1,279,123	1,576,030	1,736,000	1,600,000
Intergovernmental	331,382	908,791	295,764	115,691	742,222
Charges for Services	47,790	8,329	9,184	8,500	126,135
Interest & Other	350,888	(28,627)	(1,139,148)	382,835	317,598
<b>Total</b>	<b>\$ 18,608,083</b>	<b>\$ 21,260,286</b>	<b>\$ 21,158,931</b>	<b>\$ 25,594,717</b>	<b>\$ 26,573,812</b>

- ◆ **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 Grant , \$7,793.25 from FEMA, \$25,940.86 on a State Grant and \$30,323.03 from SEMA**

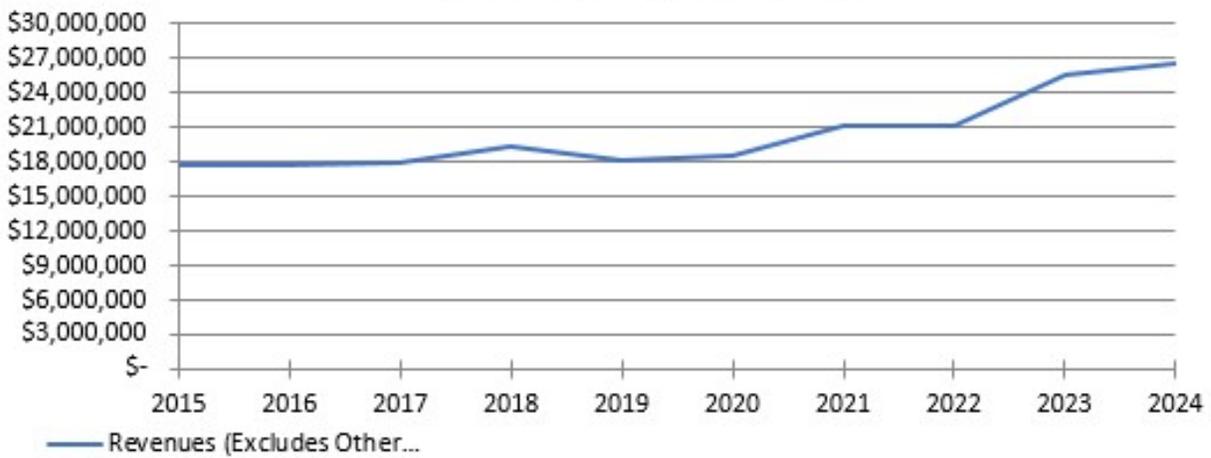




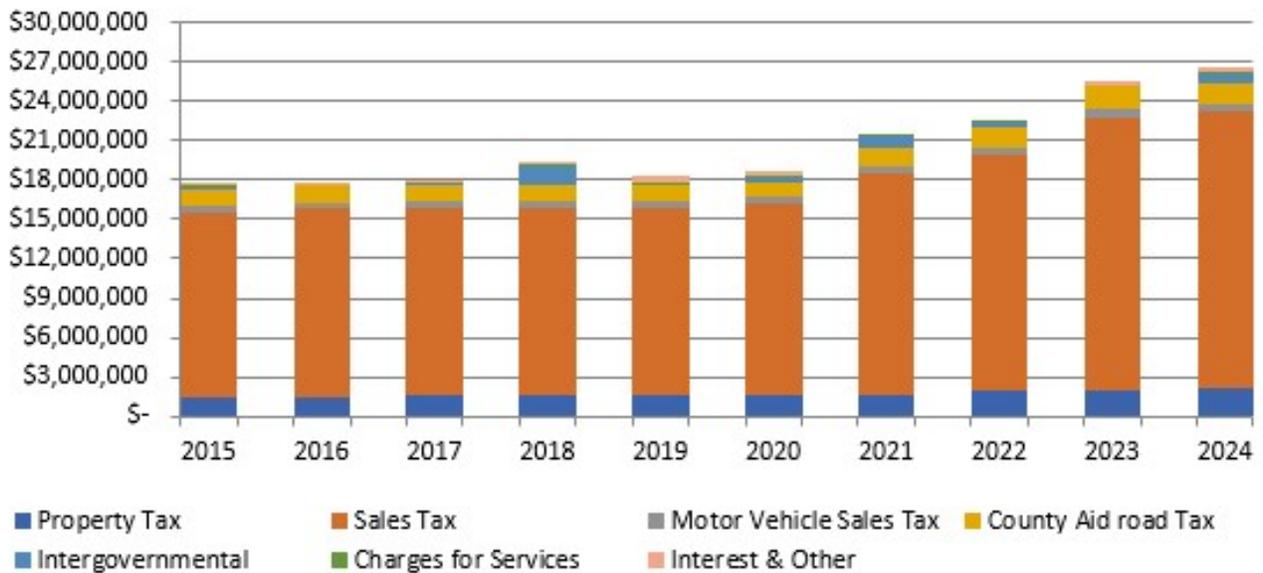
# FY2024 WORK PLAN

## ROAD & BRIDGE REVENUE YEARLY COMPARISON

Revenues - Road & Bridge



Revenues - Road & Bridge



# Boone County Resource Management/Road & Bridge



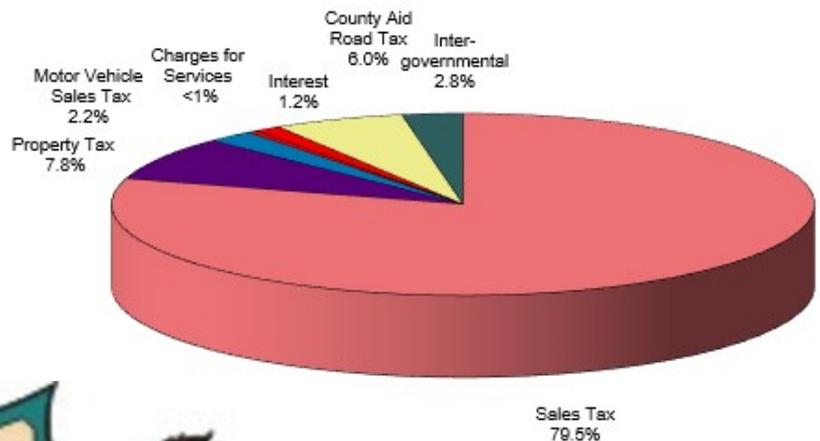
## FY2024 WORK PLAN

### ROAD & BRIDGE REVENUE YEARLY COMPARISON

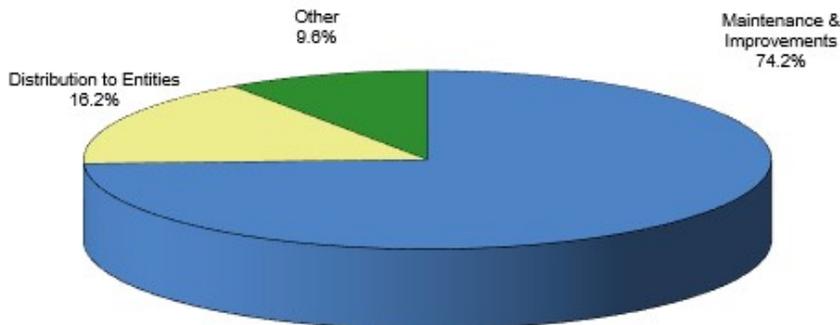
#### Where The Money Comes From

Sales Tax	\$ 21,137,757
Property Tax	2,075,100
Motor Vehicle Sales Tax	575,000
Charges for Services	126,135
Interest & Other	317,598
County Aid Road Tax	1,600,000
Intergovernmental	742,222
<b>Total Revenues</b>	<b>\$ 26,573,812</b>
Other Financing Sources	114,175
Fund Balance Used for Operations	-
<b>Total Financing Sources</b>	<b>\$ 26,687,987</b>

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



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



#### What The Money Is Used for

Property Tax Distribution	\$ 334,562
Sales Tax Distribution	3,497,835
Road Maintenance	8,368,924
Fleet Maintenance Operations	1,782,366
Traffic/Sign	180,080
Infrastructure Preservation/Rehab	5,252,000
Design & Construction	348,045
Stormwater Administration	355,906
R&B & RM Administration	954,179
Engineering	605,499
R&B IT Hardware & Software	138,072
Administrative Services Charge	690,000
Facilities Maintenance/Custodial	136,427
Facility Repair & Replacement	870,000
Insurance Activity	247,500
CART/MV Distribution to Road District	108,750
Other	523,410
<b>Total Expenditures</b>	<b>\$ 24,393,555</b>
Total Other Financing Uses	\$ -
<b>Total Financial Uses</b>	<b>\$ 24,393,555</b>



## **FY2024 WORK PLAN**

### Asphalt Rehabilitation Projects

- ◆ There are currently no asphalt rehabilitation projects under consideration

### Gravel Road Improvement Pilot Project

- ◆ A gravel road improvement plan is under consideration with the potential for a trial application during 2024

### Concrete Rehabilitation Projects

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

### Drainage Structure Projects

- ◆ Dothage Road Box Culvert #4695 rehab/replacement is currently in final design phase and planned for construction in 2024.
- ◆ Ben Williams Bridge #BR35000021 is out for bid and proposed for construction in 2024.

### Pavement Preservation Projects

These projects are under design and planned for construction in 2024:

- ◆ Asphalt Overlay
- ◆ Preservation Chip Seal

### Traffic Calming Pilot Project

- ◆ A traffic calming plan is under consideration with the potential for a trial application during 2024

### Capital Improvement Projects

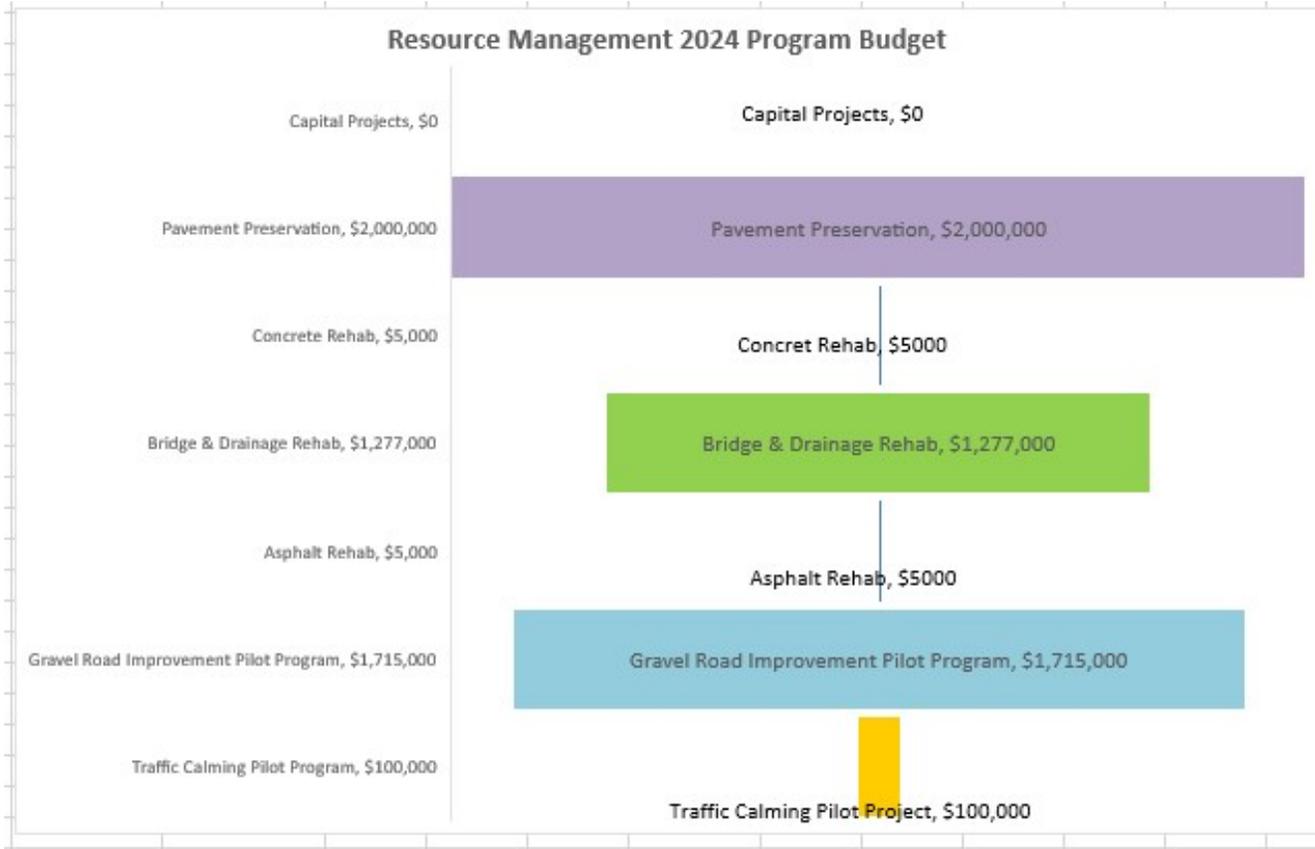
- ◆ There are currently no capital improvement projects under consideration



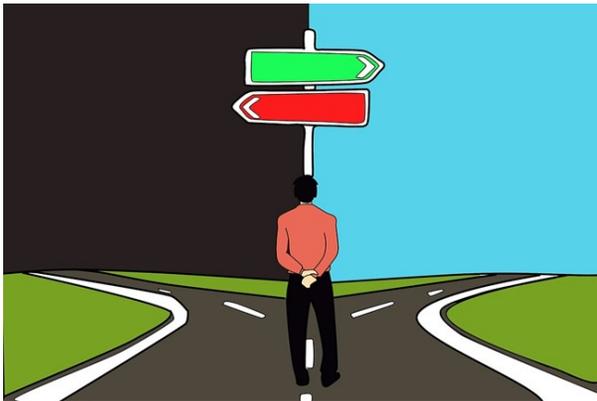
# Boone County Resource Management/Road & Bridge



## FY2024 WORK PLAN

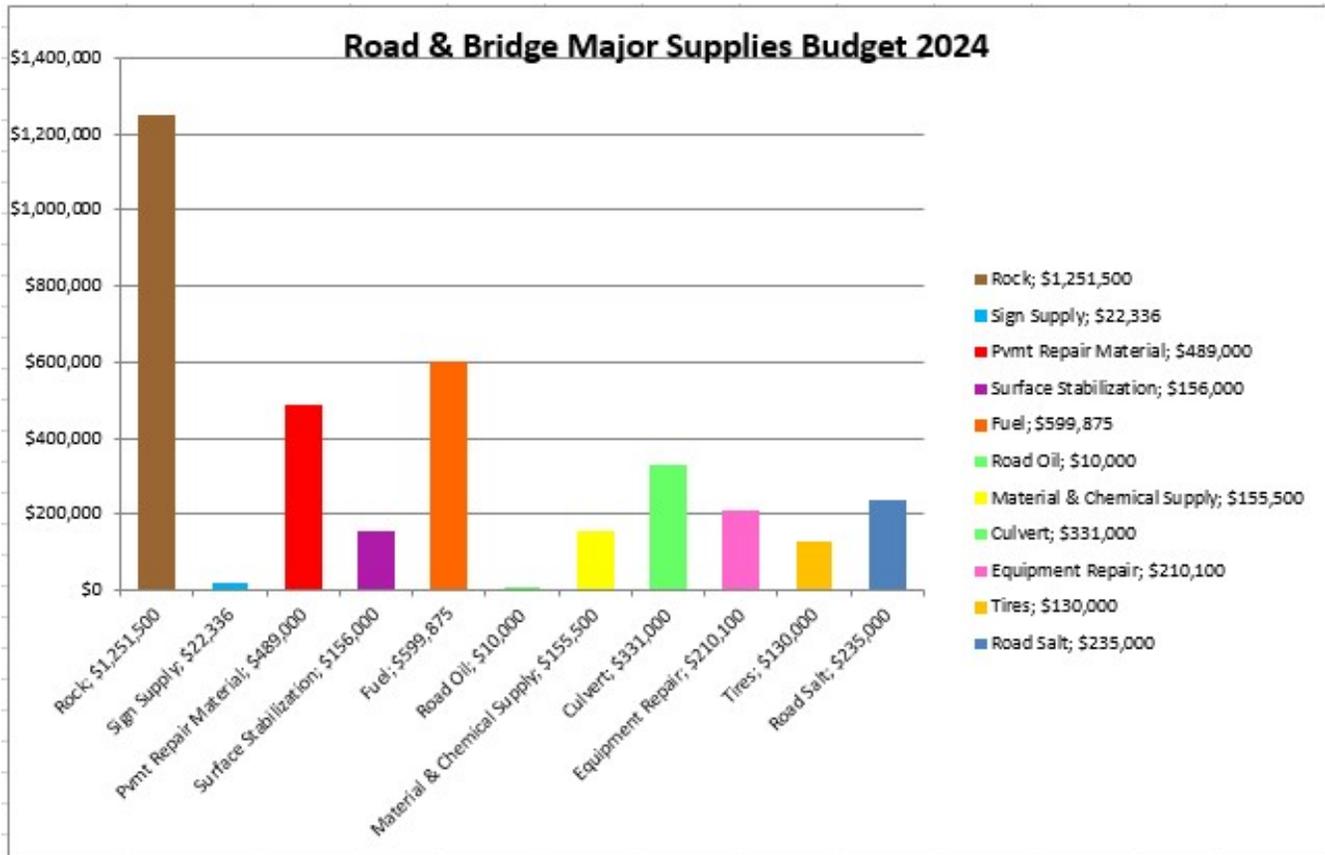


\$677,000 in Bridge & Drainage Rehab is BRO grant funding





# FY2024 WORK PLAN





## *Requirement #3*

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

*Fiscal Year 2023 Condition*



# **FY2023 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.**

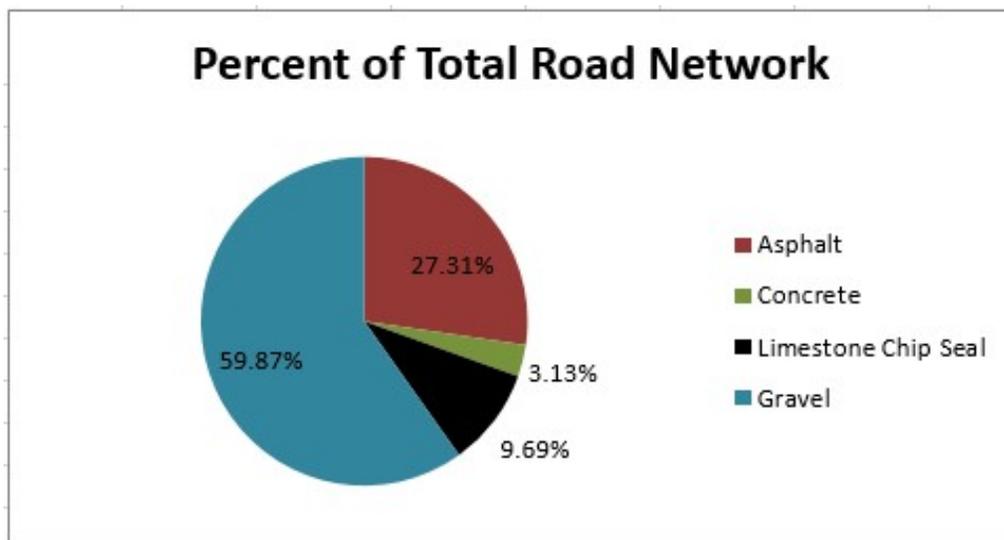
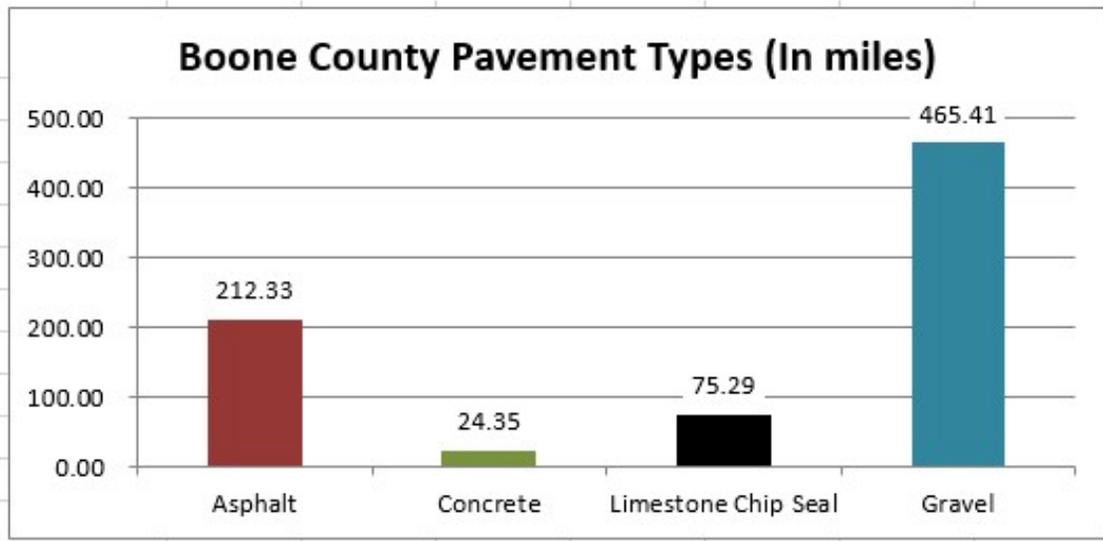
<b>Surface Type</b>	<b>Total Miles</b>	<b>Percent of Total</b>	<b>Change in Total</b>
<b>Asphalt</b>	<b>212.33</b>	<b>27.31%</b>	<b>+5.41</b>
<b>Concrete</b>	<b>24.35</b>	<b>3.13%</b>	<b>-3.15</b>
<b>Limestone Chip Seal</b>	<b>75.29</b>	<b>9.69%</b>	<b>+0.67</b>
<b>Gravel</b>	<b>465.41</b>	<b>59.87%</b>	<b>-0.69</b>
<b>Total</b>	<b>777.38</b>	<b>100.00%</b>	<b>+2.24</b>

**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.**



# FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS

## TOTAL MILES OF ROAD MAINTAINED BY BOONE COUNTY





# FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS

## 2023 SURFACE RATINGS

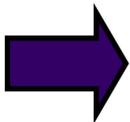
Records pertaining to roads are identified by segment, from one specific point to another. Information used to assign scores for each road segment is obtained using several different methods. Boone County uses 1) work performed on a segment, 2) weighted averages for normal use of a segment, and 3) visual 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**

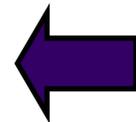
**Excellent = a value 85 and above**

**Good = any value between 55 and 85**

**Fair/Poor = anything less than 55**



**PASER  
rating 1**



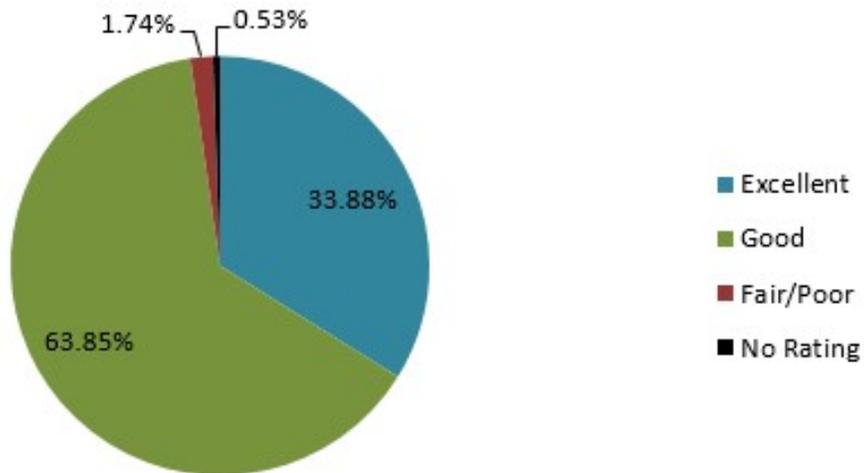
**PASER  
rating 10**



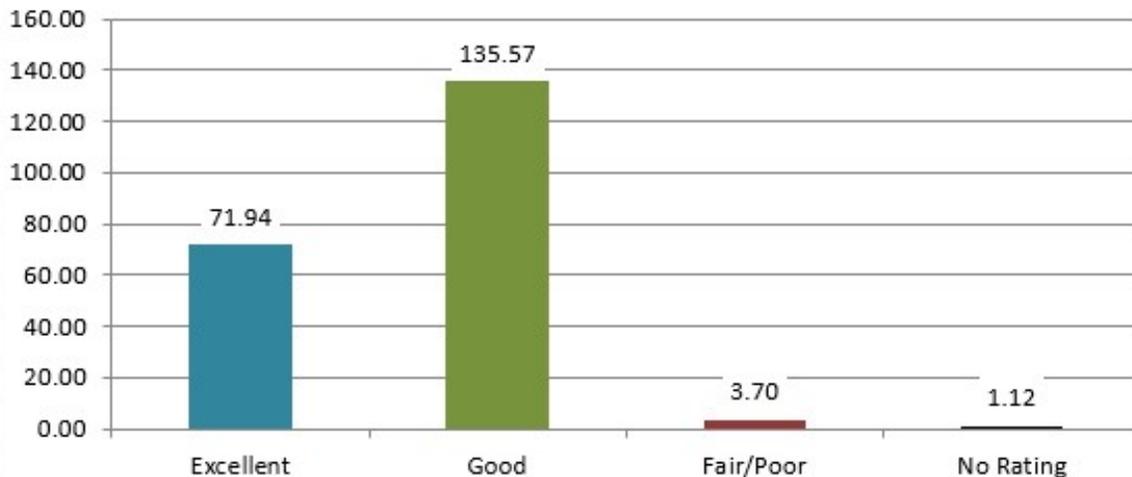
# FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS

## 2023 ASPHALT SURFACE RATINGS

Percent of Total Asphalt



Asphalt Pavement Length (In miles)

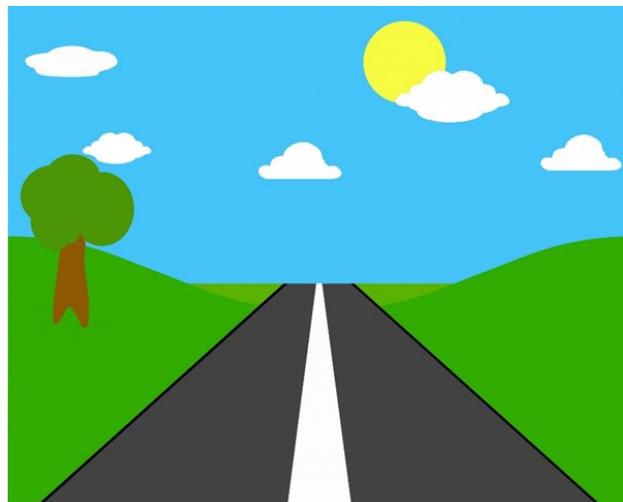
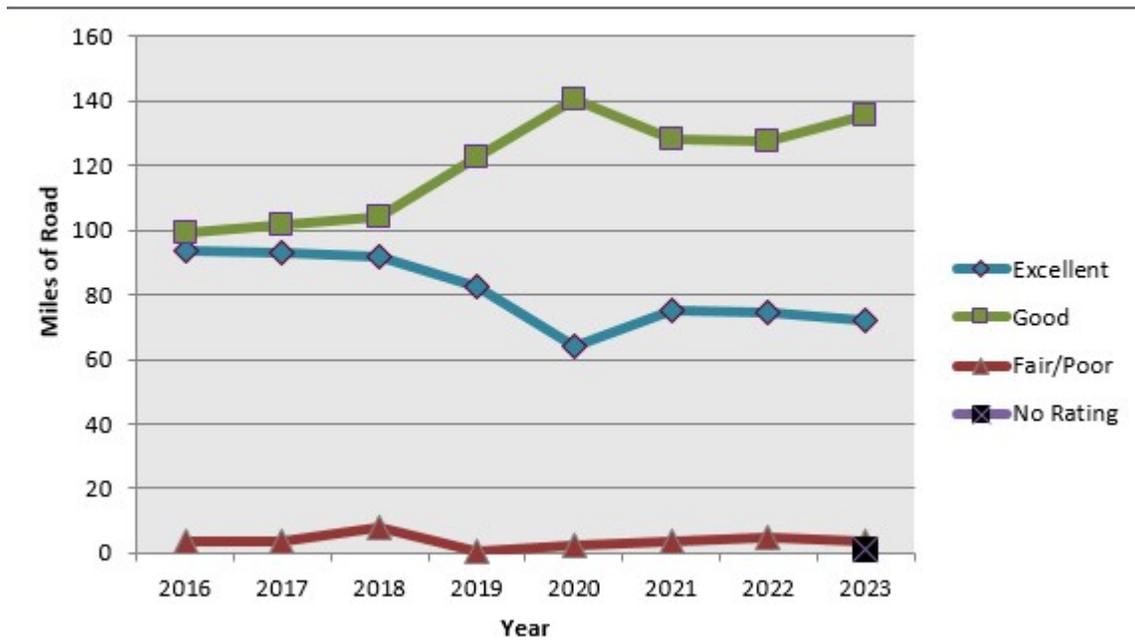




# FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS

## 2023 ASPHALT SURFACE RATINGS COMPARISON

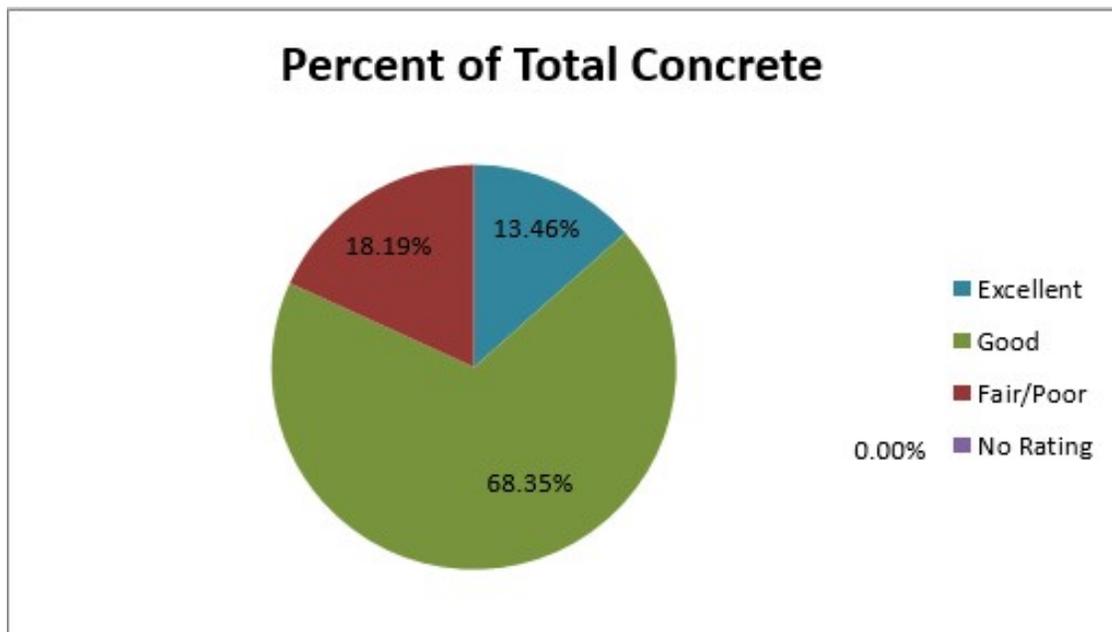
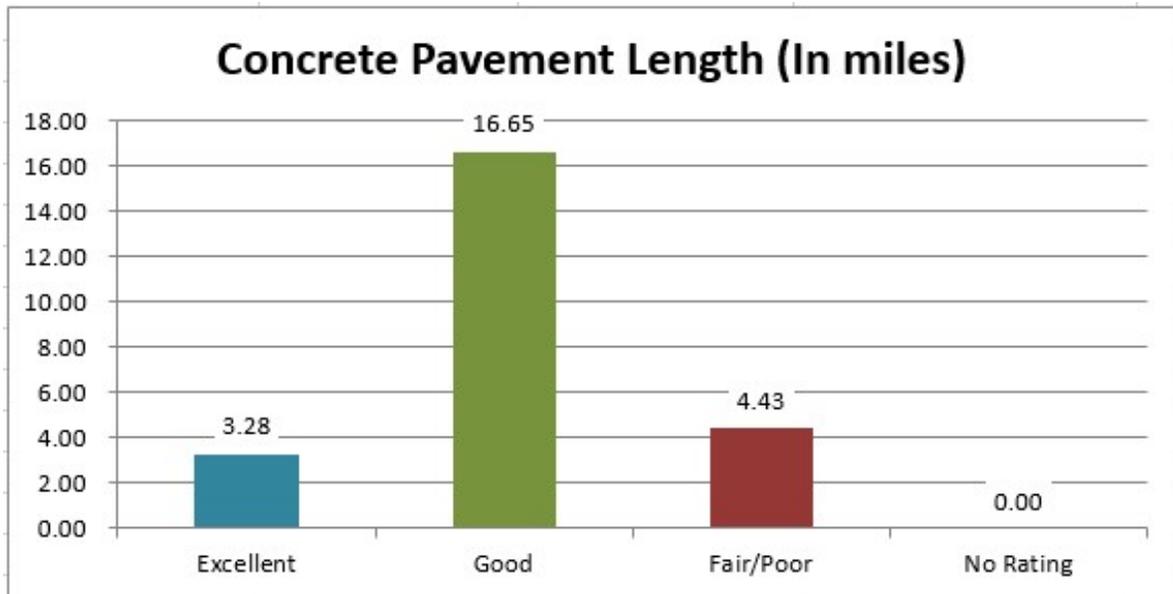
Asphalt Road Rating Comparison 2016-2023





# FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS

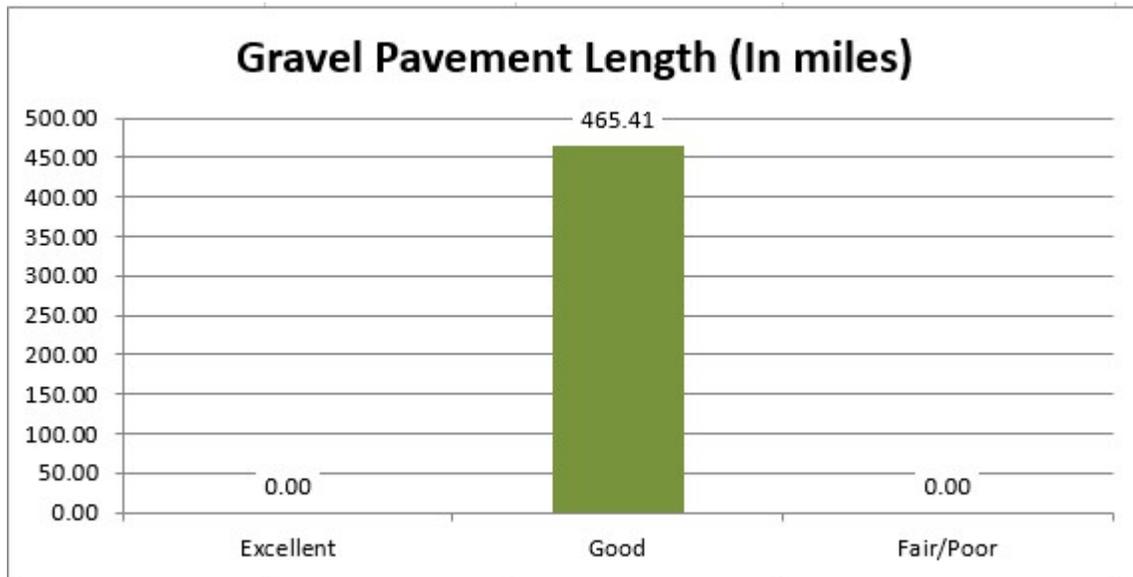
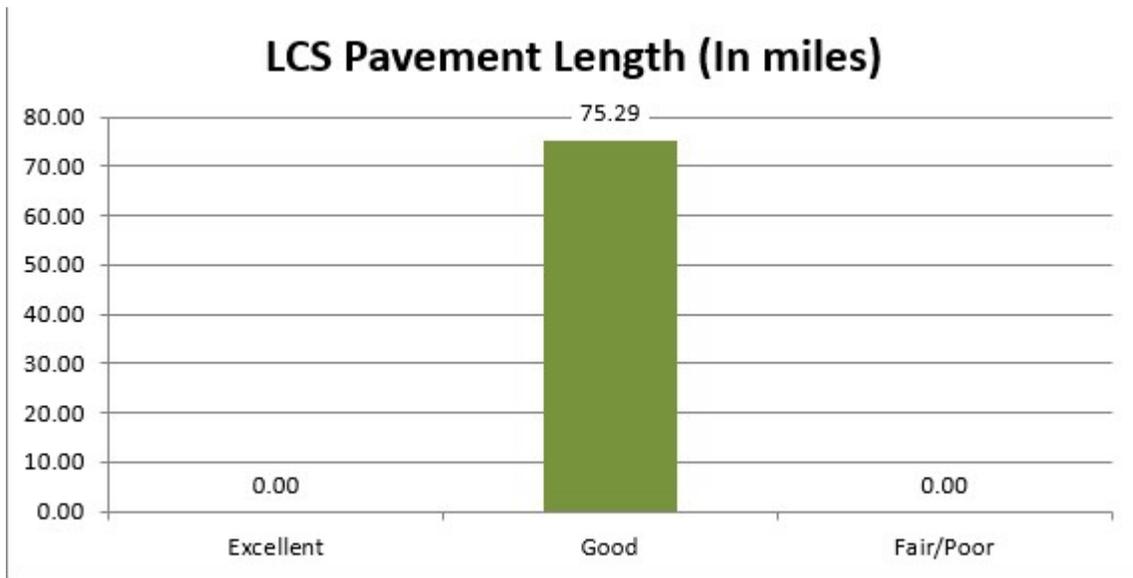
## 2023 CONCRETE SURFACE RATINGS





# FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS

## 2023 GRAVEL & LIMESTONE CHIP SEAL ROADS





# **FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS**

## **2023 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 2022. We expect to the next set of inspections to occur in the last quarter of 2024 and to receive the new reports in 2025.*

**OCI = Overall Condition Index**

**Excellent = a value 75 and above**

**Good = any value between 50 and 75**

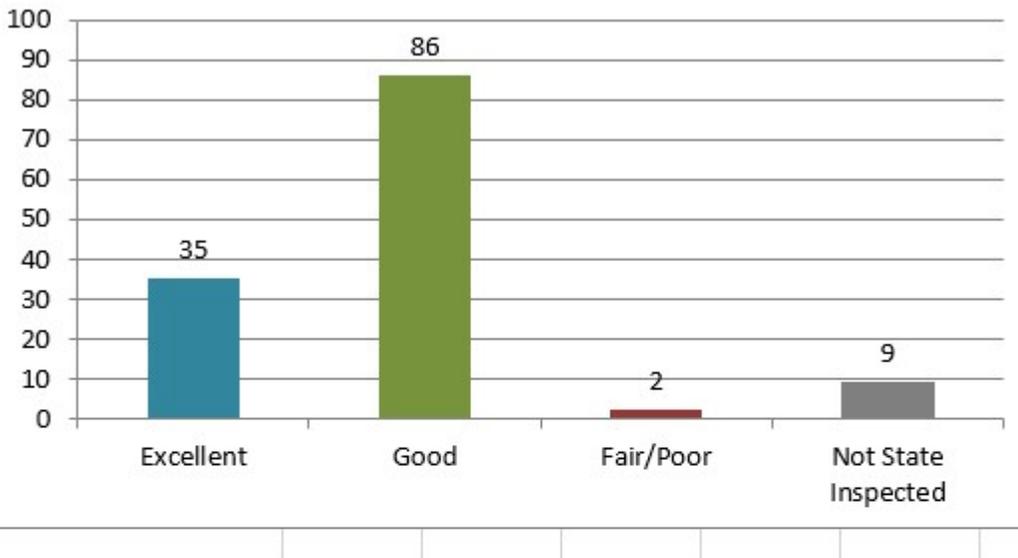
**Fair/Poor = anything less than 50**



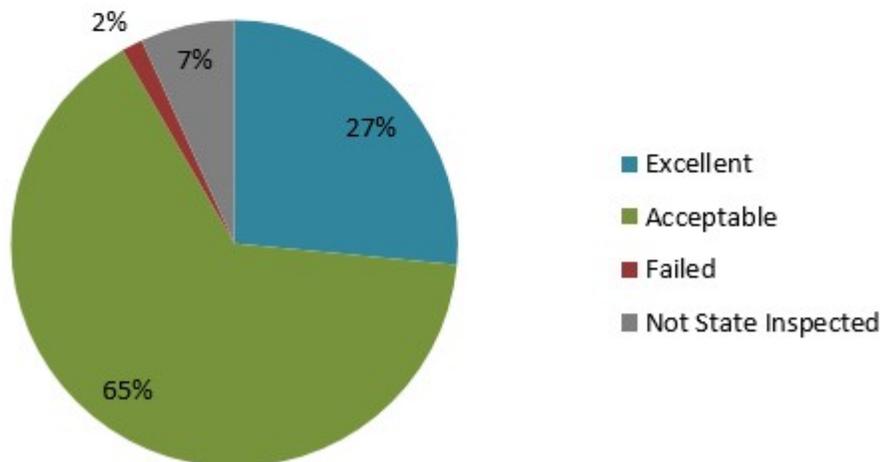
# FY2023 CONDITION OF BOONE COUNTY MAINTAINED ROADS, BRIDGES AND CULVERTS

## 2023 BRIDGE RATINGS

Number of Structures



Percent of Total Bridges



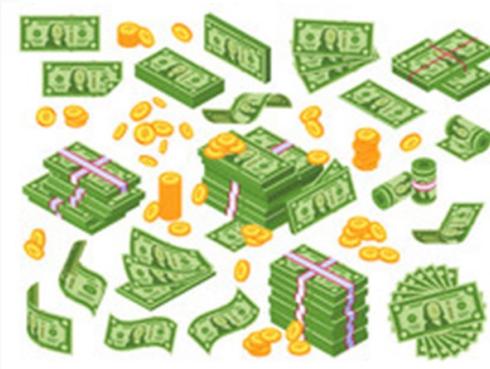
# *Additional Duties*



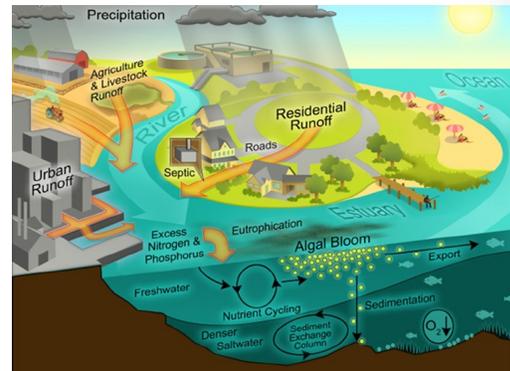
Surveying



Right of Way



Sales Tax Distribution



Stormwater

## *Fiscal Year 2023*



## **ADDITIONAL RESPONSIBILITIES**

### **2023 SURVEYING**

**Our County Surveyor position was vacant for all of the 2023 calendar year. Boone County used outside agencies to review plats and perform project staking activities.**



### **2023 RIGHT-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 Right-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 Right-of-Ways are:**



## **ADDITIONAL RESPONSIBILITIES**

### **2023 RIGHT-OF-WAY**

**Right-of-Way Permits** are issued when excavation takes place in a Boone County owned or maintained right-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 right-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 right-of-way.

**420 Right-of-Way permits were issued and inspected in 2023.**

**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.

**134 Driveway permits were issued and inspected in 2023.**

**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:

## Boone County Resource Management/Road & Bridge



# ADDITIONAL RESPONSIBILITIES

## 2023 RIGHT-OF-WAY

Road Name	Organization Name
Creasy Springs Road	Momma T's Family
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
Gans Road	The Horses of Gans
Gillespie Bridge Road	Friends of Gillespie Bridge Road
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
Nashville Church Road	Families of Nashville Church Road
Nebo Cemetary Road	Friends of Hugh Hodler
Obermiller Road	Boone County Republican Party
Old Highway 63 South	Walk in Faith Church
Old Plank Road	The River Folks of Cooper's Landing
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

# 2023 STORMWATER



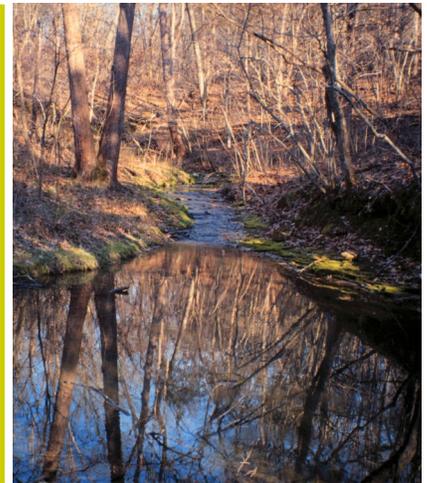
## ADDITIONAL RESPONSIBILITIES

### 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.



## 2023 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.

### 2023 ACTIVITIES

**MO Soy Cover Crops Field Day at Bay Farms:** Boone County Stormwater hosted a booth to inform participants about the Greater Bonne Femme Watershed Project and connect with producers. The team interacted with 98 participants during the event.

**Listening Session for Agricultural Producers:** Producers were invited to participate in a group discussion about current production issues. Five (5) producers and agency personnel attended.

**My Garden of a Thousand Bees Virtual Film:** The County and City of Columbia hosted a virtual showing of this PBS documentary. The film highlights a photojournalism perspective on diversity and habitat that can occur in your backyard and humanity's impact on the environment. One hundred twenty-seven (127) people registered to watch the movie.

**My Garden of a Thousand Bees Interactive Panel Discussion:** A live panel discussion was hosted discussing the "My Garden of a Thousand Bees" documentary, beekeeping, local bees, and developing a bee-friendly space. Twenty-eight (28) people viewed the presentation.

**Earth Day:** Boone County Stormwater hosted a booth at the annual Earth Day festival, sharing information on local projects, watershed stewardship and newly developed Agents of Discovery missions. The team interacted with approximately 208 people throughout the day.

**Rock Bridge State Park Water Festival:** Boone County Stormwater participated in the 9th annual Water Festival at Rock Bridge Memorial State Park. This program served approximately 450 adults and children.

**MO Soy Technology Field Day:** Boone County Stormwater hosted a booth to inform participants about the Greater Bonne Femme Watershed Project and connect with producers. The team interacted with 57 people during this event.

## 2023 STORMWATER



# ADDITIONAL RESPONSIBILITIES

## PUBLIC EDUCATION & OUTREACH ACTIVITIES

**Southern Boone Area YMCA:** Stormwater Education partnered with the Southern Boone Area YMCA after-school program. The monthly series included introducing watersheds, using the Enviroscope, groundwater, parts of a stream, and bridge design and the bridge's impact on streams. Approximately 48 students took part in the monthly events.

**Enviroscope Presentations:** These presentations used the Enviroscope to demonstrate different sources of pollution and how precipitation can carry pollutants to waterways - showing what actions can be taken to prevent the pollution. The students were given the opportunity to become stormwater champions by going on a watershed walk to see where the water flows and marking storm drains to educate future passersby. The presentations occurred at the following schools:

- ◆ Ridgeway Kindergarten Classes - 56 students

**Boone County Ready Festival:** Boone County Stormwater hosted a booth featuring information on local projects, watershed stewardship, and newly developed Agents of Discovery missions. Approximately five 514 people attended.

**Mizzou PSA:** The County and City of Columbia Stormwater Educators worked with a Mizzou film creation class to produce a public service announcement focused on litter around the community. Thirty-seven (37) students participated throughout the Spring and Fall semesters.

**Residential Rainscaping: Managing Rainwater Where it Falls:** This virtual workshop showcased a sustainable landscaping practice designed to capture rainwater where it falls, focusing on increasing a yard's ability to absorb water to reduce environmental and financial impacts from runoff, while enhancing beautification and wildlife support. Fifty-four (54) people were in attendance.

**Rainscaping to Improve Soil Health and Infiltration:** This virtual workshop focused on design and construction best management practices for tree protection and soil health, highlighting procedures to incorporate sustainable landscaping practices during construction. Fifty-three (53) people were in attendance.

**Stream Crossing Workshop:** Boone County Stormwater partnered with Missouri Department of Conservation to provide a stream crossing workshop to local municipalities, contractors, and engineers. Topics included stream behavior, placement, construction and maintenance of crossings and roads, alternative crossing designs, ideas to reduce maintenance and improve stream health, and Federal and State regulations governing stream management. Fifty-one (51) people were in attendance.

## 2023 STORMWATER



# ADDITIONAL RESPONSIBILITIES

## PUBLIC EDUCATION & OUTREACH ACTIVITIES

**Centralia Intermediate 5th Grade:** The Stormwater Educator discussed watersheds and stormwater pollution. Students then developed a solution for pollution and participated in an interactive activity to show how humans affect waterways and how to improve water quality. Approximately 88 students participated.

**3M Wetland Tour:** Students toured the 3M Wetlands, learning how the wetlands were created to treat stormwater runoff before participating in a scavenger hunt.

- ◆ Grant 5th Grade - 54 students
- ◆ Fun City Summer Program - 40 students

**Douglass High School Field Day:** Students were introduced to Flat Branch Creek, connecting the students with water quality, stream life, and stream monitoring. Thirteen (13) students participated in the spring; fourteen (14) were in attendance in the fall.

**STEM Fall Showcase:** The Stormwater Educator was invited to discuss different sources of pollution and pathways to water— showing what actions can be taken to prevent pollution. Approximately 72 students were in attendance.

**Build an Open Space:** The Boone County and City of Columbia Stormwater Educators hosted an event focused on connecting open spaces and people to their environment. Approximately 25 elementary students were in attendance.

**Boatloads of Fun:** Little ones investigated how boats weighing hundreds of thousands of tons stay afloat and move downstream. They built their own boats and then tested them. This event was offered in partnership with Missouri River Relief, Boone County Stormwater, Daniel Boone Regional Library, and First Chance for Children. Approximately 105 people participated.

**Missouri River Adventure Camp:** The Stormwater Educator presented to students about stream health, stream function, and stream ecosystems. Sixty-two (62) middle schoolers attended the program.

**Missouri Scholar Academy - The Art of Streams and Litter:** Scholars learned about local waterways, participated in a stream cleanup, and redesigned litter into art, turning trash into treasure. Twenty-four (24) students were in attendance.

**Southern Boone 2nd Grade:** The Stormwater Educator shared information about watersheds and stormwater pollution. Students participated in an interactive activity showing how humans affect waterways and how to improve water quality. Approximately 130 students participated.

# 2023 STORMWATER



## ADDITIONAL RESPONSIBILITIES

### PUBLIC EDUCATION & OUTREACH ACTIVITIES

**Shepard Boulevard 4th Grade:** The Stormwater Educator gave a presentation on sediment and erosion. Students then designed a town on a erosion tray to see how permeability impacts soil. Nineteen (19) students participated.

**Invasive Species Guest Panelist:** The County and City of Columbia Stormwater Educators were guest panelists for Benton's 2<sup>nd</sup> and 5<sup>th</sup> grade classes. Students presented research projects focusing on the school's bees and invasive species. Eighty (80) students participated.

**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 72 people participated.

**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:

- ◆ Columbia Public Schools Summer Program - 65 students
- ◆ Mill Creek Elementary - 88 students
- ◆ Shephard Elementary - 75 students
- ◆ Rock Bridge Elementary - 42 students
- ◆ Fairview Elementary - 25 students
- ◆ Home Schooler's Association - 38 students
- ◆ Cairo High School - 24 students; 2 teachers

**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.

- ◆ Windsor Montessori - 25 students
- ◆ Jefferson Middle School - 173 students
- ◆ Grant Elementary 2nd Grade - 38 students
- ◆ Grant Elementary 4th Grade - 55 students
- ◆ Gentry Middle School STEMettes - 21 students
- ◆ Jefferson Middle School STEMettes - 23 students

**Grant Elementary 5th Grade: Who Polluted Hinkson Creek:** The presentation, given by the Stormwater Educator, connected students to the Hinkson Creek watershed, in which the school is located, using an interactive story to connect the students to the creek and the history of how it became polluted. The students then focused on actions that have been completed to improve water quality and what they can do to help. Approximately 56 students participated.

# 2023 STORMWATER



## ADDITIONAL RESPONSIBILITIES



# 2023 STORMWATER



## ADDITIONAL RESPONSIBILITIES

### EDUCATIONAL MATERIALS DEVELOPED/DISTRIBUTED

- ◆ Boone County Stormwater Website: [showmeboone.com/stormwater](https://showmeboone.com/stormwater)
- ◆ Bonne Femme Watershed Website: [cavewatershed.org](https://cavewatershed.org)
- ◆ Hinkson Creek Collaborative Adaptive Management Website: [helpthehinkson.org](https://helpthehinkson.org)
- ◆ Stormwater Newsletters: [showmeboone.com/stormwater/education/newsletters.asp](https://showmeboone.com/stormwater/education/newsletters.asp)
- ◆ Boone County Stormwater Facebook Page: [facebook.com/boonecountymostormwater](https://facebook.com/boonecountymostormwater)
- ◆ Boone County Stormwater YouTube Channel: [youtube.com/channel/UCrd\\_RaCJ73N442kfWGfa1FA](https://youtube.com/channel/UCrd_RaCJ73N442kfWGfa1FA)
- ◆ Litter Prevention Website: [sites.google.com/como.gov/sustain-edu-litter-stem/litter-prevention](https://sites.google.com/como.gov/sustain-edu-litter-stem/litter-prevention)
- ◆ The Water Cycle Website: [sites.google.com/como.gov/sustain-edu-water-cycle-stem/home](https://sites.google.com/como.gov/sustain-edu-water-cycle-stem/home)
- ◆ Land Disturbance Inspection Field Reference Guide
- ◆ Bonne Femme Watershed signs were installed and maintained in the watershed to help citizens create a link from the roads to the waterways.
- ◆ Hinkson Creek Watershed signs were installed and maintained in the watershed.
- ◆ Educational Coasters utilizing artwork from the 2022 STEM contests were distributed to bars and restaurants in the Flat Branch watershed and Rocheport.
- ◆ Safe Driving and Road Salt Application posters and ice scrapers were distributed to auto shops in northern Boone County.

"Unless someone like you cares a whole awful lot,  
nothing is going to get better. It's not." Dr. Seuss



Artist: Bella



## 2023 STORMWATER



# ADDITIONAL RESPONSIBILITIES

## TRAINING OPPORTUNITIES FOR COUNTY STAFF

**Understanding Ag Workshop & Field Day:** Stormwater staff attended this two day workshop hosted by the Missouri Department of Natural Resources. Topics included the elements of regenerative agriculture, yields, and field health studies.

**Certified Erosion, Sediment and StormWater Inspector (CESSWI):** The Stormwater Coordinator received certification from Envirocert International, Inc. The CESSWI program is intended to ensure certificates meet the Federal National Pollutant Discharge Elimination System definition of "Qualified Personnel" and ensure projects meet the requirements of State and Local regulations.

**REGFORM Conference:** Stormwater staff attended Missouri REGFORM to learn about stormwater rulings and other stormwater-related topics.

**Road & Bridge Good Housekeeping & Erosion and Sediment Control:** Road & Bridge staff attended a presentation during Safety Day on good housekeeping and erosion and sediment control practices. Staff then developed property using an erosion tray and tested the permeability of their soil. Forty-three (43) employees were in attendance.

**Resource Management Training:** Staff received training on conducting land disturbance inspections. Staff received an inspection field reference guide to assist them. Seven staff members were in attendance, including building inspectors, administrative staff, and stormwater staff.

**One Water Summit:** The Stormwater Educator attended this conference in Tucson, AZ, which focused on sustainable, integrated, and inclusive approaches to managing water. Plenary sessions, skill-building learning labs, interactive workshops and mobile tours were attended.

**Stream Crossing Workshop:** Boone County Stormwater partnered with Missouri Department of Conservation to provide a stream crossing workshop to local municipalities, contractors, and engineers. Topics included stream behavior, placement, construction and maintenance of crossings and roads, alternative crossing designs, ideas to reduce maintenance and improve stream health, and Federal and State regulations governing stream management. Fifty-one (51) people were in attendance.

**Three Creeks Farm Tour:** The Stormwater Educator and Urban Hydrologist toured a local farm, learned about their operation, and how the owners implement good agricultural practices to comply with produce safety regulations and provide their customers with safe, fresh produce.

## 2023 STORMWATER



# ADDITIONAL RESPONSIBILITIES

## TRAINING OPPORTUNITIES FOR COUNTY STAFF

**Volunteer Water Quality Monitoring Validation:** The Urban Hydrologist attended a half-day training session to recertify her Stream Team Level 3 designation.

**City of Columbia BMP Tour:** The Stormwater Coordinator and Stormwater Educator attended the City of Columbia's BMP Tour, provided to Missouri Department of Natural Resources (MDNR) staff as part of MDNR's training program.

**Benefits of Native Plants in the City Native Learning Series:** The Urban Hydrologist attended this series, sponsored by the City of Columbia Office of Sustainability and US Fish and Wildlife service. Attendees learned about benefits, selection, and placement of native plants. Benefits discussed ranged from water quality and soil health to providing wildlife habitat. Attendees also worked hands-on in preparing and planting a native garden on-site at the church hosting the workshops. The hands-on training reinforced the knowledge gained through the lecture sessions.

**Webinars:** Staff attended approximately 26 webinars.



# 2023 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.

#### 2023 OPPORTUNITIES

- ◆ Hinkson Creek Collaborative Adaptive Management Chloride Task Force
- ◆ Hinkson Creek Collaborative Adaptive Management Science Team
- ◆ Hinkson Creek Collaborative Adaptive Management Action Team
- ◆ Hinkson Creek Collaborative Adaptive Management Stakeholder Committee
- ◆ Greater Bonne Femme Watershed Technical Advisory Committee
- ◆ Greater Bonne Femme Watershed Initiative Implementation Committee

#### JOINT MS4 COORDINATION COMMITTEE MEETINGS

Stormwater staff from Boone County, City of Columbia, and University of Missouri meets bimonthly to coordinate and work on stormwater activities. This year the committee met five (5) times.



## 2023 STORMWATER



# ADDITIONAL RESPONSIBILITIES

## PUBLIC INVOLVEMENT & PARTICIPATION OPPORTUNITIES

### 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 three (3) times.
- ◆ **Action Team** - The Action Team met eleven (11) times.
- ◆ **Science Team** - The Science Team met eight (8) times.
- ◆ **Riparian Subcommittee** - The Riparian Subcommittee met nine (9) times.
- ◆ **Chloride Task Force** - The Chloride Task Force met four (4) times.

**LiDAR Analysis of Stream** – Boone County GIS completed an initial analysis of the stream corridor in 2021, which showed amounts of sediment erosion and deposition. The Science Team is studying the results to determine if there are any “hot spots” along the corridor that need attention or additional monitoring.

**Synoptic Sampling** – Sampling began in 2019. Funding was approved in 2019 to continue sampling for two (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 the spring of 2024.

**Lincoln University Gauging Stations** – Dr. Sean Zeiger has installed stage samplers and other water quality monitoring equipment at five (5) sampling locations along Hinkson Creek.

**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 Hinkson 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 Hinkson Creek in 2023. We are expecting a final report in Spring 2024.

## 2023 STORMWATER



# ADDITIONAL RESPONSIBILITIES

## PUBLIC INVOLVEMENT & PARTICIPATION OPPORTUNITIES

**Chloride Task Force** - This task force was created to help direct the CAM process as to how to best address the impact of chloride from road salt on the streams. The team consisted of experts from academia, local government and private businesses to help shape an achievable and beneficial path into the future for best management practices for salt application. A final report was submitted in 2023, which shared findings and recommendations. This report can be found at [helpthehinkson.org/CAMScienceTeam](http://helpthehinkson.org/CAMScienceTeam).

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

### GREATER BONNE FEMME WATERSHED PROJECT

The Greater Bonne Femme Watershed Project is the revitalization and continuation of several projects from the past that sought to protect and conserve water quality in the watershed. In August 2018, Boone County received a Chapter 319 subgrant award from the US EPA, through Missouri Department of Natural Resources (MDNR) to develop a 9-element watershed management plan, and was scheduled to run through July 31, 2020. We requested, and were granted, a budget and time extension to July 31, 2021. In 2022 we asked for, and were granted another time extension to July 31, 2022. The plan was submitted to MDNR and US EPA for approval in Spring 2023.

- ◆ **Technical Advisory Committee** – The committee met four (4) times.
- ◆ **Monitoring:**
  - ◆ Gauging Stations - Stations were set up at Turkey Creek and Hwy 63 S, Bonne Femme Creek at Andrew Sapp Rd, and Little Bonne Femme Creek at Woodie Proctor Rd.
- ◆ **Watershed-based 9-element Plan** – The final Watershed-based plan was approved by US EPA on June 12, 2023. The full plan is available at [cavewatershed.org](http://cavewatershed.org).

# 2023 STORMWATER



## ADDITIONAL RESPONSIBILITIES

### PUBLIC INVOLVEMENT & PARTICIPATION OPPORTUNITIES

#### GREATER BONNE FEMME WATERSHED INITIATIVE

Boone County Resource Management and partners felt that the watershed-based plan 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 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,** Education and Outreach: Focused on residential landowners, this element will encourage protection of riparian corridors and the use of native vegetation in landscaping.
- ◆ **Pillar Four,** One Health Integration: Healthy water and soil for humans, wildlife and the ecosystem is the focus of this element, incorporating a variety of concepts from regenerative agriculture to increasing health benefits from recreation in the GBFW.

**Implementation Committee** – The committee met one (1) time.

Gans Creek  
normal flow  
4-10-2023



Gans Creek  
drought  
10-4-2023

# 2023 STORMWATER



## ADDITIONAL RESPONSIBILITIES

### 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 2023, 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](http://showme-boone.com/stormwater), allowing citizens to report various stormwater concerns such as flooding and erosion. In 2023, **23** concerns were reported through the online reporting system.



"The Earth is something we all have in common." Wendell Berry



Artist: Sophia



City of  
Columbia  
Office of Sustainability



## 2023 STORMWATER



# ADDITIONAL RESPONSIBILITIES

## WATER QUALITY MONITORING OPPORTUNITIES

### COUNTYWIDE CHEMICAL SAMPLING PROJECT

The Missouri Department of Agriculture awarded funding to Boone County in partnership with the University of Missouri to evaluate presence and concentration of 17 pesticides, herbicides, and related metabolites, as well as other water quality parameters including chloride, nitrogen and phosphorus, and signs of urbanization and fertilizer use, in streams throughout Boone County. Boone County Stormwater collected 45 water samples in the fall of 2022 and 48 water samples in the spring of 2023 from streams around Boone County and the Missouri River. Sample locations were chosen based on land use characteristics, stream order, accessibility, and other watershed characteristics. Water samples were analyzed by the bioanalytical laboratory at the University of Missouri. A publication analyzing the results is expected in 2024.

Boone County created an interactive map sharing sampling sites and data in 2023. This information is available at [showmeboone.com/stormwater/mda-sampling.asp](https://showmeboone.com/stormwater/mda-sampling.asp).



# 2023 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 three (3) samples 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](http://www.LMVP.org).

#### BOONE COUNTY STREAM TEAM

The Boone County Stream Team hosted a water quality monitoring blitz at Rock Bridge Memorial State Park in Spring 2023. 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.



# 2023 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
2011	19	21	15	4	9	45	3
2012	17	4	17	4	5	47	0
2013	15	13	32	10	7	49	4
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

## 2023 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.
- ◆ 54 self-inspections for constructed stormwater quality BMPs were submitted.

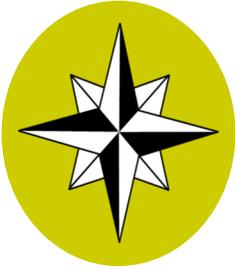
## POLLUTION PREVENTION & GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

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
- ◆ General Operating Permit #MOG750030 – No Discharge

# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF ASHLAND ANNUAL REPORT

#### 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 Ashland

Reporting on Calendar Year:

2023

Narrative for use of funds received

The Boone County Road and Bridge Repair Fund provided the City of Ashland with \$205,763.68 in October 2022. This is a \$1,274.31 decrease from the amount provided in 2022 (\$207,037.99). The 2023 funds have been utilized for multiple street repair and improvement projects within the City of Ashland.

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

The condition of roads and bridges within Ashland city limits are overall in good shape. The majority of city streets in Ashland are concrete. The typical life span of these streets is approximately 15 years. Ashland Public Works has implemented a Pavement Preservation maintenance model, which is intended to extend the life of our streets. Through annual maintenance projects, streets are selected for asphalt overlay, chip seal resurfacing, slurry seal resurfacing, or microsurfacing. This maintenance plan is very similar to what is currently being done by neighboring counties and municipalities.

Ashland currently has no city owned and maintained bridges within our city limits. As various large culverts are due for replacement, we have undertaken efforts to install concrete box culverts in their place. While this does have a higher up-front expense, the longevity and decreased maintenance requirements make them a better long term option.

**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 following project will be partially funded with the 2023 Boone County Road and Bridge Repair Fund:

**Boone County Resource Management/Road & Bridge**



**ADDITIONAL  
RESPONSIBILITIES**

**2023 CITY OF ASHLAND ANNUAL REPORT**

**Perry Avenue Extension Project**

Total Project Budget: Approximately \$715,000.00

This project consists of the construction of approximately 1,300 linear feet of roadway that will connect Perry Avenue from the south to Industrial Dr from the north. This roadway will be 32 feet wide and will have curb and gutter running its length on each side. This project will require the installation of two separate culverts to convey water runoff.

Upon completion of the roadway extension, the existing connection of Perry Ave to US Hwy 63 via E Liberty Ln will be eliminated and therefore removed. This intersection is dangerous and multiple vehicle collisions have occurred here over the years.

This project is currently underway and should be completed by 12/31/2023

**FY24 Mill and Overlay Project**

Total Project Cost: \$140,122.81

This project consisted of edge milling the concrete roadway and a 2" thick asphalt overlay of the following city streets:

- Billy Joe Sapp Dr
- Appaloosa Dr
- Kristi Ln

This project was completed in September 2023.

**FY24 Chip Seal Project**

Total Project Budget: Approximately \$58,621.49

This project consisted of chip seal resurfacing of the asphalt roadway and restriping of the centerline, turn lanes, and crosswalks on the following streets:

- S Henry Clay Blvd

This project was completed in September 2023.

---

---

---

---

---

---

---

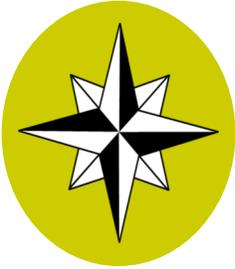
---

---

---



**Boone County Resource Management/Road & Bridge**

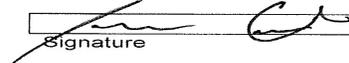


**ADDITIONAL  
RESPONSIBILITIES**

**2023 CITY OF ASHLAND ANNUAL REPORT**

TOTAL \$913,744.30

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.

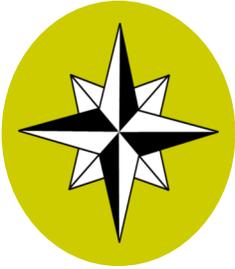
 12/7/2023  
Signature Date

Public Works Director  
Title

James Creel 573-657-2568  
Printed Name Day Time Phone number

Complete this report and send to Boone County Resource Management, Attn: Kelle Westcott, 801 East Walnut Room 315, Columbia, MO 65201; by December 15<sup>th</sup>.

## Boone County Resource Management/Road & Bridge



# ADDITIONAL RESPONSIBILITIES

## 2023 CSRD ANNUAL REPORT

### 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:

2023

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 11/30/2023

1. As of 11/30/2023 have hauled \$40,139.53 of rock on unpaved roads
2. Overlaid two sections of blacktop roads at a cost of \$275,472.14
3. Replaced culverts totaling \$4,312.40
4. Spent \$2,500.00 on building repairs.







# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF CENTRALIA ANNUAL REPORT

#### CAPITAL IMPROVEMENT PROJECTS FISCAL YEAR 2023 - 2024

##### 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 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Singleton	Jefferson to Rollins	52	1100	2	733.08			74,202.63	74,203			
Bradford	Singleton to Sneed	20	300	2	76.90			7,783.49	7,783			
Collier	Singleton to Sneed	62	260	2	206.60			20,911.65	20,912			
Howard Burton	Lakeview to Tarr	22	814	2	229.51			23,231.13	23,231			
Parkview	All			2	323.00			12,247.62	12,248			
Maple	All	22	1900	2	535.71			54,225.00	54,225			
Sims	Maple to dead end going East	18	350	2	80.74			8,172.67	8,173			
Sidewalk on Booth	Jefferson St to Parkview Ct	5	1860	4	0.00			32,000.00	32,000			
Anne St.	Old gate to new gate	20	500	2	128.16			12,972.49	12,972			
Alley - Allen to Rollins	Albert's Alley	18	270	2	62.29			6,304.63	6,305			
Alley - Rollins to Allen	Post Office Alley	18	270	2	62.29			6,304.63	6,305			
S Central	Campbell to dead end going North			2	357.00			36,135.54		36,136		
Jenkins	Barnes to Sneed	24	1000	4	615.17			62,267.94		62,268		
Walnut	Rodemyre to Sims	18	1550	2	357.57			36,193.24		36,193		
Rollins	Gano to Cox	29	1631	4	1212.38			122,717.14		122,717		
Stone	All	24	430	2	132.26			13,387.61		13,388		
Brick	Lee to dead end going West	20	253	4	129.70			13,128.16		13,128		
Southgate	Howard Burton to Jefferson	23	1308	2	385.56			39,026.43			39,417	
Southgate	Allen to Switzer	20	1207	2	309.41			31,318.70			31,632	
Collier	Switzer to Southgate	25	460	2	147.39			14,518.36			15,068	
Switzer	Jefferson to Hwy 124	28	3058	2	1097.37			111,075.63			112,186	
Kellogg	All			2	112.00			11,336.64			11,450	
Sims	Jefferson to dead end going West	20	2619	2	671.37			67,955.86				68,635
Lakeview	Jefferson to railroad tracks	28	2654	2	952.54			96,415.68				97,380
Porter	Tarr to Southland	22	305	2	86.00			8,704.54				8,792
Pool	All	18	930	2	214.54			21,715.94				21,933

Cost Totals								\$ 944,653	\$ 258,356	\$ 283,830	\$ 209,753	\$ 196,740
Total Tons	9016.53							2236.28	2804.09	2051.73	1924.44	
								Less Contingency Reserve / Grant Funds	\$ -			
								Total from Transportation Sales Tax Fund	\$ 258,356	\$ 283,830	\$ 209,753	\$ 196,740

\*North St. - Howard Burton to brush pit was added + completed  
 \*The sidewalk on Booth St. is still being worked on  
 \*Stone St. was added + completed.

# Boone County Resource Management/Road & Bridge



# ADDITIONAL RESPONSIBILITIES

## 2023 CITY OF CENTRALIA ANNUAL REPORT

### PUBLIC WORKS - HIGHWAYS AND STREETS

ACCOUNT NUMBER	ACCOUNT TITLE	Calendar 2023	FY2023-24 BUDGET	Calendar 2022	FY2022-23 BUDGET	FY2022-23 AUDITED	Calendar 2021	FY2021-22 BUDGET	FY2021-22 AUDITED
<b>PLANNING &amp; ADMIN</b>									
01-311-6001	SALARIES & WAGES	\$ 119,572.39	\$ 160,454.00	\$ 117,288	\$ 160,454	\$ 166,643	103,705	105,154	133,608
01-311-6002	OVERTIME WAGES	\$ 8,915.75	\$ 8,704.00	\$ 4,712	\$ 7,833	\$ 5,367	3,388	4,708	11,686
01-311-6000	ACCRUED EMPLOYEE BENEFITS	\$ 72,064.52	\$ 110,682.00	\$ 70,994	\$ 110,286	\$ 101,421	68,667	74,297	88,725
01-311-6010	PRINTING/PUBLICATION	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	90
01-311-6020	DIET/MEALS/SUBSTITUTION	\$ -	\$ 300.00	\$ 210	\$ 750	\$ 210	318	150	318
01-311-6042	PROF. SERV. ARCHT. ENG.	\$ 6,083.75	\$ -	\$ -	\$ 2,500	\$ -	117	2,500	117
01-311-6050	CONTRACT LABOR	\$ 150.00	\$ 1,500.00	\$ 1,223	\$ 1,300	\$ 1,288	1,521	1,500	1,579
01-311-6070	MAINT. AGREEMENTS, LEASE	\$ -	\$ 500.00	\$ 133	\$ 1,025	\$ 253	1,264	1,500	1,386
01-311-6080	MEALS/ LODGING, TRAVEL	\$ 150.00	\$ -	\$ -	\$ 750	\$ -	-	600	-
01-311-6001	OFFICE SUP. FURNITURE	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-311-6210	OPERATING SUPPLIES	\$ 250.00	\$ 250.00	\$ 60	\$ 250	\$ 60	210	450	210
01-311-6490	EQUIPMENT USE CHARGE	\$ 5,539.00	\$ 6,914.00	\$ 4,957	\$ 7,323	\$ 7,177	7,225	7,000	7,194
01-311-6505	COMMUNITY DEV BLOCK GRANT	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-311-6509	MISC. CAPITAL	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
	<b>SUBTOTAL</b>	<b>\$ 212,290.41</b>	<b>\$ 289,454.00</b>	<b>\$ 199,516</b>	<b>\$ 294,481</b>	<b>\$ 282,399</b>	<b>\$ 185,915</b>	<b>\$ 197,809</b>	<b>\$ 244,823</b>
<b>STREET MAINTENANCE</b>									
01-312-5502	VEHICLES	\$ 91,467.00	\$ 41,000.00	\$ 40,969	\$ 40,969	\$ -	40,969	41,000	40,969
01-312-5508	OTHER EQUIPMENT	\$ 23,239.17	\$ 81,000.00	\$ -	\$ 30,000	\$ -	-	4,200	-
01-312-5509	MISC. CAPITAL	\$ -	\$ 5,000.00	\$ 5,990	\$ 10,000	\$ -	-	7,000	-
01-312-6001	SALARIES AND WAGES	\$ -	\$ -	\$ -	\$ -	\$ -	2,450	-	-
01-312-6002	OVERTIME WAGES	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-312-6000	ACCRUED EMPLOYEE BENEFITS	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-312-6100	PRINTING/PUBLICATIONS/AD	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-312-6132	UTILITIES/NATURAL GAS, PR	\$ -	\$ 348.00	\$ 278	\$ 445	\$ 325	433	400	433
01-312-6150	CONTRACT LABOR	\$ 68.00	\$ 376.00	\$ 266	\$ 1,070	\$ 351	975	3,500	1,060
01-312-6160	REPAIR SERVICE	\$ -	\$ -	\$ -	\$ -	\$ -	-	300	-
01-312-6170	MAINT.AGREEMENTS, LEASES	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-312-6190	INSURANCE	\$ 19,313.98	\$ 15,855.00	\$ 14,818	\$ 12,675	\$ 14,818	14,116	11,100	11,516
01-312-6210	OPERATING SUPPLIES	\$ 15,996.08	\$ 50,000.00	\$ 25,333	\$ 50,000	\$ 39,641	59,007	32,000	39,028
01-312-6220	TOOLS/SMALL EQUIPMENT	\$ 24.98	\$ 181.00	\$ 169	\$ 500	\$ 169	461	150	461
01-312-6450	EQUIPMENT RENTAL	\$ -	\$ -	\$ -	\$ -	\$ -	-	750	-
01-312-6490	EQUIPMENT USE CHARGES	\$ 25,687.77	\$ 37,161.00	\$ 24,485	\$ 43,210	\$ 37,239	-	10,000	42,340
01-312-6801	MISCELLANEOUS	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
	<b>SUBTOTAL</b>	<b>\$ 173,796.98</b>	<b>\$ 250,921.00</b>	<b>\$ 112,399</b>	<b>\$ 188,869</b>	<b>\$ 91,543</b>	<b>\$ 71,970</b>	<b>\$ 110,460</b>	<b>\$ 136,397</b>
<b>ALLEY MAINTENANCE</b>									
01-313-6001	SALARIES AND WAGES	\$ -	\$ -	\$ -	\$ -	\$ -	22	-	-
01-313-6002	OVERTIME WAGES	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-313-6010	ACCRUED EMPLOYEE BENEFITS	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-313-6210	OPERATING SUPPLIES	\$ -	\$ -	\$ -	\$ -	\$ -	17	1,000	-
01-313-6450	EQUIPMENT RENTAL	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
01-313-6490	EQUIPMENT USE CHARGES	\$ 1,930.14	\$ 2,451.00	\$ 1,764	\$ 2,450	\$ 2,515	2,819	2,750	2,815
	<b>SUBTOTAL</b>	<b>\$ 1,930.14</b>	<b>\$ 2,451.00</b>	<b>\$ 1,764</b>	<b>\$ 2,450</b>	<b>\$ 2,515</b>	<b>\$ 2,859</b>	<b>\$ 3,750</b>	<b>\$ 2,815</b>
<b>SIDEWALK &amp; PARKING LOT MAINTENANCE</b>									
01-314-6001	SALARIES & WAGES	\$ -	\$ -	\$ -	\$ -	\$ -	809	-	-





# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF COLUMBIA ANNUAL REPORT

#### 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: 2023

Narrative for use of funds received The City of Columbia will be using the funds for improvements along Forum Boulevard between Chapel Hill Road and Woodrail Avenue, improvements on Ash Street and major maintenance and improvements on Garth Avenue between Business Loop 70 and Thurman Street,

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

The City of Columbia maintains 1,450 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 year 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 6.76. The City's 43 bridges and structures are inspected by MoDOT and City staff every 2 years. Of the 43 structures, 36 were rated as Not Deficient, 2 were functionally deficient and 5 were structurally deficient with 3 of those in various stages of repair or replacement.

**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

Forum Boulevard between Chapel Hill Road and Woodrail Avenue - This project includes improvements along Forum Boulevard between Chapel Hill Road and Woodrail Avenue. The project includes widening of Forum Boulevard to five lanes (2 lanes in each direction and turn lanes where needed); reconstruction/widening the bridge over Hinkson Creek; widening the box culvert over MKT trail; designing sidewalks and bike facilities; completing intersection improvements; and completing an asphalt overlay of the corridor.

Ash Street Improvements -This project includes the design of bike/pedestrian improvements along Ash Street between Providence and Clinkscales.

Garth Avenue between Business Loop 70 and Thurman - This project will include major maintenance of the street between Business Loop 70 and Thurman Street. The improvements will include sidewalk and curb ramp repair, pavement repair, curb and gutter repair, and an asphalt overlay. Also, the project includes improving the pedestrian crossing at the elementary school.



# ADDITIONAL RESPONSIBILITIES

## 2023 CITY OF COLUMBIA ANNUAL REPORT

### ROAD & BRIDGE ANNUAL SUMMARY REPORT

Page 2

--

<b>TOTAL</b> 3,892,765.00
------------------------------

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.

<i>Cindy Rueger</i> Signature	<i>12/11/2024</i> Date
----------------------------------	---------------------------

Financial Analyst Title
----------------------------

Cindy Rueger Printed Name	573-441-6610 Day Time Phone number
------------------------------	---------------------------------------

## Boone County Resource Management/Road & Bridge



# ADDITIONAL RESPONSIBILITIES

## 2023 CITY OF HALLSVILLE ANNUAL REPORT

### 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, 2022 - June 30, 2023

Narrative for use of funds received  
The Road and Bridge funding was used for finishing the concrete road repair in Meadows  
Ledg Subdivision by the City's Public Works Department, some ADA approach replacement, curb repair, pothole repair.

Narrative on overall condition of roads and bridges within reporting municipality:  
  
Overall the conditions of the roads are 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  
Carry over from fiscal year 2022/2023 was \$161,458.08. Funds were used for finishing  
the concrete roads in Meadows Ledg - \$2,023.23; asphalt to fill potholes - \$1,032.00; curb repair - \$674.50;  
ADA curb repair - \$629.37  
  
Carry over funds for 2023/2024 will be used to continue the speed hump pilot program on five different streets. The goal in 2024/2025 is to purchase a new dump truck to help with street repairs.

**Boone County Resource Management/Road & Bridge**



**ADDITIONAL  
RESPONSIBILITIES**

**2023 CITY OF HALLSVILLE ANNUAL REPORT**

[Empty rectangular box for report content]

TOTAL \$4,659.10

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 \_\_\_\_\_ Date 11/30/2023

City Administrator  
Title \_\_\_\_\_

Kenyetta Ridgway-Sample \_\_\_\_\_ 573-696-3885  
Printed Name Day Time Phone number

**Boone County Resource Management/Road & Bridge**



**ADDITIONAL  
RESPONSIBILITIES**

**2023 CITY OF HARTSBURG ANNUAL REPORT**

**Boone County Resource Management/Road & Bridge**



**ADDITIONAL  
RESPONSIBILITIES**

**2023 CITY OF HUNTSDALE ANNUAL REPORT**

**Boone County Resource Management/Road & Bridge**



**ADDITIONAL  
RESPONSIBILITIES**

**2023 CITY OF McBAINE ANNUAL REPORT**

**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: McBaine, Boone County, MO

Reporting on Calendar Year: 2023

Narrative for use of funds received There have not been any funds used for road or bridge work in 2023

Narrative on overall condition of roads and bridges within reporting municipality:  
Roads and bridges are in good condition at this time.

**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 \_No projects at this time.

---

---

---

---

---

---

---

---

---

---



**Boone County Resource Management/Road & Bridge**



**ADDITIONAL  
RESPONSIBILITIES**

**2023 VILLAGE OF PIERPONT ANNUAL  
REPORT**

**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

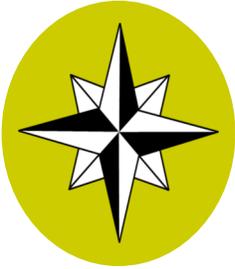
Reporting on Calendar Year: 2023

Narrative for use of funds received  
None

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

**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  
N/A



# ADDITIONAL RESPONSIBILITIES

## 2023 VILLAGE OF PIERPONT ANNUAL REPORT

Page 2

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.

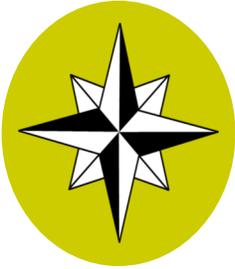
[Signature] 11/18/23  
Signature Date

Chairman of Board  
Title

Ronald L Skiles 573-999-1312  
Printed Name Day Time Phone number

Complete this report and send to Boone County Resource Management, Attn: Kelle Westcott, 801 East Walnut Room 315, Columbia, MO 65201; by December 15<sup>th</sup>.

**Boone County Resource Management/Road & Bridge**



**ADDITIONAL  
RESPONSIBILITIES**

**2023 CITY OF ROCHEPORT ANNUAL REPORT**

**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: 2023

Narrative for use of funds received  
PLEASE SEE ATTACHED

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

**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  
97 DICK STREET ON SOILS  
PROJECT REPAIR - SEWER  
ENGINEERING PLANS  
MO Vocation Enterprises for new stop sign  
within the city of Rocheport  
COOPY SALES STREET REPAIR 300-304 SECOND STREET

Boone County Resource Management/Road & Bridge



ADDITIONAL RESPONSIBILITIES

2023 CITY OF ROCHEPORT ANNUAL REPORT

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

Table with multiple rows for data entry. Handwritten note: 'Please see Attached'.

TOTAL \$ 53,165.53

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: Janice Orton Date: 12-18-23

Title: City Clerk

Printed Name: JANICE ORTON Day Time Phone number: 573-695-3245

Complete this report and send to Boone County Resource Management, Attn: Kelle Westcott, 801 East Walnut Room 315, Columbia, MO 65201; by December 15th.

## Boone County Resource Management/Road & Bridge



# ADDITIONAL RESPONSIBILITIES

## 2023 CITY OF ROCHEPORT ANNUAL REPORT

---

ROAD AND BRIDGE ANNUAL SUMMARY REPORT	2023
1/12/2023 MCKNIGHT TIRE/TRACTOR TIRE REPAIR	\$207.95
1/23/2023 HOME DEPOT/TRUCK EXPENSE	\$61.38
1/30/2023 A CIVIL GROUP/97 PIKE REPAIR SEWER ENGINEER PLANS	\$3,000.00
2/8/2023 REPAIR OF SIGN WITHIN CITY	\$136.68
4/11/2023 MFA OIL/FUEL	\$428.96
9/18/2023 COOPER SALES/300-304 2ND STREET	\$1,147.38
9/25/2023 MFA OIL/FUEL	\$474.87
10/24/2023 FARM POWER/MOWER	\$14,550.72
11/8/2023 SMART SIGN/POST DRIVER	\$132.42
12/4/2023 FARM POWER/TRACTOR	\$30,580.37
12/8/2023 MO VO ENTERPRISES/STOP SIGNS	\$2,445.50
<b>TOTAL EXPENSES</b>	<b>\$53,165.53</b>

# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF STURGEON ANNUAL REPORT

#### 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 maintenance  
Supervisor \_\_\_\_\_

Reporting on Calendar Year: 2023

Narrative for use of funds received Repaving n. Fairgrounds rd. Replacing city culverts, u, replacing city signs and posts and re graveling alley ways \_\_\_\_\_

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

Roads are not in good condition. Bridges are 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 \_ Currently we have spent \$2,778 in asphalt in 2023 for patching roads and redoing culverts. In 2023 we spent \$7,190.73 in road sign replacement, pole replacement, repainting crosswalks. We bought a paint sprayed for \$2,484 for restriping crosswalks. Weve spent \$4,589 buying culverts to replace failing city culverts. We've spent \$9357.89 in buying gravel to coat alley ways, replace culverts and for packing along road ways to protect road way edges from erosion. The Board is currently looking into completely repaving Fair ground rd . Attached to this will be supporting documentation.



# ADDITIONAL RESPONSIBILITIES

## 2023 CITY OF STURGEON ANNUAL REPORT

### ROAD & BRIDGE ANNUAL SUMMARY REPORT

Page 2

We \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**TOTAL**  
\_\_\_\_\_ \$26,399.64 \_\_\_\_\_

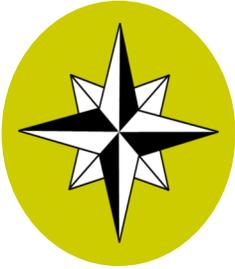
I declare that I have examined this report, including accompanying schedules and statements, and to the best of my knowledge; certify that the information provided above is true, complete and accurate.

Signature Robbie Hill Date 12-8-23

City Maintenance Supervisor \_\_\_\_\_  
Title \_\_\_\_\_

Printed Name Robbie Hill Day Time Phone number 573-687-3321

# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF STURGEON ANNUAL REPORT

Fri Dec 8, 2023 8:07 AM

GENERAL LEDGER INQUIRY

Page 1

Account No	Date	Amount	
100-410-7216			Ju1 %
COLD MIX /TRASH - GENERAL			Aug
100 GENERAL			Sep 1,182.50 63%
410 STREET & ROAD			Oct 2,778.74 111%
7216 COAL MIX/TRASH			Nov 2,778.74 88%
			Dec 2,778.74
	Budget	7,500.00	Jan
	Expended YTD	2,778.74	Feb
	Unexpended YTD	4,721.26	Mar
	Available	4,721.26	Apr
5/24 Budget	Balance	Difference	Pct
MTD 624.75		624.75	%
YTD 7,500.00	2,778.74	4,721.26	37%
2023 3,500.00		3,500.00	%
2022 6,700.00		6,700.00	%
2021 4,200.00	6,128.75	1,928.75	146

Date	Per	Jrnl	Reference	Other Information	Amount	PO #	Invoice #	Check #
10/25/23	4	24	AP1556	10.48 TON COLD MIX	1596.24		20083	32588
9/19/23	3	24	AP1524	PP-60-C; PALLET	1182.50		S1204912.001	32514
5/19/21	11	21	AP 644	6 TON COLD MIX TICKET 88441	750.00		17623	31011
9/09/20	3	21	AP 408	6.16 TONNAGE COLD MIX	770.00		17108	30464
8/26/20	2	21	AP 394	TICKET #83771 6.07 TONNAGE	758.75		17079	30440
8/26/20	2	21	AP 394	INVOICE 17027	755.00		17020	30440
8/26/20	2	21	AP 394	INVOICE 17020	812.50		17020	30440
8/13/20	2	21	AP 379	TICKET 83113	787.50	17008	17008	30405
8/13/20	2	21	AP 379	TICKET 83170	782.50	17008	17008	30405
7/30/20	1	21	AP 370	COLD MIX	712.50		16928	30381
8/06/19	2	20	AP 142	COLD MIX PATCHING STREETS	770.00		15964	14268
7/19/19	1	20	AP 129	COLD MIX 5.96 TON @125.00	745.00		15931	14233

TOTAL: 10422.49

2,778  
 2,484  
 4,589.02  
 9,357.89  
 7,190.73  


---

 26,399.64

\$ 2,778 | 2023

# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF STURGEON ANNUAL REPORT

2023 8:05 AM

GENERAL LEDGER INQUIRY

Page 1

Account No	Date	Amount			
100-410-7201				Jul	3.85 %
STREET MAINT/PROJECT SUPPLIES				Aug	214.70 8%
100 GENERAL				Sep	3,864.93 103%
410 STREET & ROAD				Oct	4,388.34 87%
7201 STREET MAINT/PROJECT SUP				Nov	5,875.15 94%
				Dec	5,936.27 79%
	Budget	15,000.00		Jan	
	Expended YTD	5,936.27		Feb	
	Unexpended YTD	9,063.73		Mar	
	Available	9,063.73		Apr	
6/24	Budget			May	
MTD	1,249.50	61.12	1,188.38	5%	
YTD	15,000.00	5,936.27	9,063.73	40%	
2023	22,608.20	22,608.20		100%	
2022	5,000.00	1,916.32	3,083.68	38%	
2021	5,000.00	4,595.84	404.16	92	
				Jun	
				YrEnd	
				LYear	19,856.71 397%

Date	Per	Jrnl	Reference	Other Information	Amount	PO #	Invoice #	Check #
12/01/23	6	24	AP1591	BULB/FASTENER/HOSE CLAMP	61.12		OCT/NOV 2023	32657
11/20/23	5	24	AP1584	S1207360.001 STREET SIGN	211.87		S1207073.001/360.001	32647
11/20/23	5	24	AP1584	S1207073.001 SPEED LIMIT SIGN	173.30		S1207073.001/360.001	32647
11/20/23	5	24	AP1584	GLOBAL INDUSTRIAL/TRACTOR	687.76		2429 ROBERT HILL	32637
11/06/23	5	24	AP1572	YELLOW TRAFFIC PAINT	333.57		OCT 2023	32614
11/06/23	5	24	AP1572		80.31		OCT 2023	32620
10/25/23	4	24	AP1556	63206 HYDRAULIC HOSE XNOMBN	34.98		15505-63205/63206	32587
10/25/23	4	24	AP1556	63205 FITTING/SUPLEMNT	195.17		15505-63205/63206	32587
10/12/23	4	24	AP1545	CIH-GLOBAL ROAD PAINT	264.47		ROBERTHILL092023	32556
10/02/23	4	24	AP1535	LED BULB	28.79		SEPTEMBER 2023	32542
9/15/23	3	24	AP1516	BAND BRACKETS S1204677.001	66.00		S1204677.001	32504
9/15/23	3	24	AP1512	WESTLAKE HARDWARE	28.20		ROBERT HILL 2429	32491
9/06/23	3	24	AP1498	STREET SIGNS	2126.00		S1202564.005	32477
9/05/23	3	24	AP1493		44.03		AUGUST 2023	32471
9/05/23	3	24	AP1493	STREET SIGNS	1386.00		S1202564.003	32472
8/15/23	2	24	AP1468	PLATE FOR TRAILER	25.25		669984 RI 669869RI	32436
8/15/23	2	24	AP1464	ORSCHLH/RITCHIE/WESTLAKE	154.68	2429	ROBBIE24297/23	32430
8/07/23	2	24	AP1455		30.92		JULY2023	32417
7/05/23	1	24	AP1393	SIGN FASTENERS	3.85		JUNE 2023	32349
5/01/23	11	23	AP1341		236.86		APRIL 2023	32234
4/06/23	10	23	AP1320	U CHANNEL GALV POST	1875.00		663937 RI	32183
4/06/23	10	23	AP1320	MARCH 2023	20.20		MARCH 2023	32188
4/06/23	10	23	AP1316	THE MONTH OF MARCH ON THE CARD	486.25		04062023	19113223
3/13/23	9	23	AP1301	MIDWEST FASTENER 3/10/2023	13.59		2303-067956	32148
2/14/23	8	23	AP1260	JANUARY 2023	99.98	5528	JANUARY2023	32084
2/03/23	8	23	AP1255	STREET	1.79		JANUARY 2023	32074
1/05/23	7	23	AP1217	PROPANE BOTTLE (STREET)	17.82		DEC2022	32016
12/21/22	6	23	AP1209	BLADE GUIDE FROM O'REILLY	41.80	12202022	4094-390406	31992
12/08/22	6	23	AP1193	FLAG	37.78		NOVEMBER 2022	31961
12/08/22	6	23	AP1193	4 INCH ASPHALT PATCHING	3720.00		31319	31952
11/21/22	5	23	AP1183	STREET SIGNS ORDERED BY DEREK	372.74		INVTRE18906	31930
11/21/22	5	23	AP1181	COMPLETED ASPHALT REPAIRS	15500.00		31257	31916
10/12/22	4	23	AP1138	Flag poles	127.92	5528	9/30-10/25/22	31825
10/03/22	4	23	AP1125		40.18		S0614/S0610	31811
8/02/22	2	23	AP1063	TIRE SEALANT; PULL ROPE	16.29		2207-321307	31706

LIQRY01 07.01.21

City of Sturgeon MO

\$ 7,190.73 2023  
\$ 19,592.74 2022

OPER: DT

# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF STURGEON ANNUAL REPORT

Fri Dec 8, 2023 8:08 AM

GENERAL LEDGER INQUIRY

Page 1

Account No	Date	Amount			
100-410-7213				Jul	%
PURCHASE OF GRAVEL - GENERAL				Aug	673.95 28%
100 GENERAL				Sep	673.95 19%
410 STREET & ROAD				Oct	673.95 14%
7213 PURCHASE OF GRAVEL				Nov	1,475.32 25%
				Dec	3,105.76 44%
	Budget	14,000.00		Jan	
	Expended YTD	3,105.76		Feb	
	Unexpended YTD	10,894.24		Mar	
	Available	10,894.24		Apr	
6/24 Budget	Balance	Difference	Pct	May	
MTD	1,166.20	1,630.44	464.24-140%	Jun	
YTD	14,000.00	3,105.76	10,894.24 22%	YrEnd	
2023	10,000.00	9,306.19	693.81 93%	LYear	3,054.06 61%
2022	12,000.00	1,471.36	10,528.64 12%		
2021	12,000.00	6,237.28	5,762.72 52%		

*Handwritten notes:*  
 \$ 9,357.89 / 2023  
 \$ 30,540.00 / 2022

Date	Per	Jrn	Reference	Other Information	Amount	PO #	Invoice #	Check #
12/07/23	6	24	AP1604	TICKET 128070740	BOONE QUARRIES	320.23	950334	32672
12/07/23	6	24	AP1604	TICKET 128070735	BOONE QUARRIES	330.69	950334	32672
12/07/23	6	24	AP1604	TICKET 128070730	BOONE QUARRIES	322.32	950334	32672
12/07/23	6	24	AP1604	TICKET 128070724	BOONE QUARRIES	326.51	950334	32672
12/07/23	6	24	AP1604	TICKET 128070716	BOONE QUARRIES	330.69	950334	32672
11/06/23	5	24	AP1572	invoice 943355	BOONE QUARRIES	671.02	943110/943355	32611
11/06/23	5	24	AP1572	invoice 943110	BOONE QUARRIES	130.35	943110/943355	32611
8/01/23	2	24	AP1447	128068136/128068142	BOONE QUARRIES	673.95	920923	32394
5/10/23	11	23	AP1356	5 LOADS GRAVEL	BOONE QUARRIES	1150.19	903208	32249
5/01/23	11	23	AP1341	16 LOADS OF GRAVEL	BOONE QUARRIES	4533.10	4152023	901307
1/02/23	7	23	AP1215	128061242/128061247	BOONE QUARRIES	568.84	12172022	879495
8/11/22	2	23	AP1076	INV 845523 JULY 16, 2022	BOONE QUARRIES	785.91	845523	31713
7/21/22	1	23	AP1059	3" CLEAN WALKER ST REPAIR	BOONE QUARRIES	472.31	07092022	844129
7/12/22	1	23	AP1047	4 LOADS 1" CLEAN 6/27/2022	BOONE QUARRIES	1026.08	6302022	841762
7/05/22	1	23	AP1040	3 LOADS 1" CLEAN GRAVEL 6/22	BOONE QUARRIES	769.76	835073	31662
6/28/22	11	22	AP 968	4 LOADS CLEAN 1" REC CENTER	BOONE QUARRIES	978.24	822745	31556
6/19/22	10	22	AP 965	2 LOADS 1" GRAVEL	BOONE QUARRIES	493.12	819172	31542
6/02/21	12	21	AP 654	LIME	BOONE QUARRIES	42.46	06022021	732337
5/19/21	11	21	AP 644	17.25 TONS OF SAND	MARTIN HAULING	325.00	05102021	31016
4/29/21	10	21	AP 625	INVOICE 720595	CON-AGG OF MO L	1649.70	722925 720596	30979
4/07/21	10	21	AP 608	5 LOADS 1" CLEAN GRAVEL	BOONE QUARRIES	1196.40	03272021	714807/714808
3/26/21	9	21	AP 595	2 LOADS 1" CLEAN & DELIVERY	BOONE QUARRIES	652.32	550	713074
12/29/20	6	21	AP 513		RITCHIE & SONS	4.04	2012-317037	30717
11/24/20	5	21	AP 478	TICKET 128037295	BOONE QUARRIES	231.99	11232020	683964
11/24/20	5	21	AP 478	TICKET 128037291	BOONE QUARRIES	230.99	11232020	683964
11/24/20	5	21	AP 478	TICKET 128037277	BOONE QUARRIES	241.82	11232020	683964
11/17/20	5	21	AP 469	1" CLEAN ROCK TICKET 128036756	BOONE QUARRIES	156.47	550	681221
11/17/20	5	21	AP 469	1" CLEAN ROCK TICKET 128036744	BOONE QUARRIES	186.82	550	681221
10/21/20	4	21	AP 449	1" CLEAN ROCK	BOONE QUARRIES	1319.27	10102020	673446
6/18/20	12	20	AP 324	4 LOADS FROM COLUMBIA	MCCRARY FARMS &	260.00	06072020	30269
6/18/20	12	20	AP 324	1" CLEAN ROCK	BOONE QUARRIES	947.52	629465	30267
6/18/20	12	20	AP 324	5.35 COLD MIX	CHRISTENSEN ASP	668.75	16792	30265
4/08/20	10	20	AP 285	CONCRETE MIX	RITCHIE & SONS	16.16	MARCH 2020	30116
3/25/20	9	20	AP 281	4 LOADS OF GRAVEL 1" CLEAN	BOONE QUARRIES	363.39	601417	30096
3/12/20	9	20	AP 273	CONCRETE	RITCHIE & SONS	8.08	FEB STATEMENTS	30067

# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF STURGEON ANNUAL REPORT

ri Dec 8, 2023 8:07 AM

GENERAL LEDGER INQUIRY

Page 1

Account No	Date	Amount			
100-410-7212				Jul	%
CULVERT REPLACEMENTS - GENERAL				Aug	471.40 28%
100 GENERAL				Sep	1,582.02 63%
410 STREET & ROAD				Oct	1,582.02 47%
7212 CULVERT REPLACEMENTS				Nov	1,582.02 37%
	Budget	10,000.00		Dec	1,582.02
	Expended YTD	1,582.02		Jan	
	Unexpended YTD	8,417.98		Feb	
	Available	8,417.98		Mar	
5/24 Budget	Balance	Difference	Pct	Apr	
MTD 833.00		833.00	%	May	
YTD 10,000.00	1,582.02	8,417.98	16%	Jun	
2023 6,000.00	5,477.26	522.74	91%	YrEnd	
2022 2,000.00		2,000.00	%	LYear	1,938.96 77%
2021 2,000.00	2,000.00		100		

Date	Per	Jrnl	Reference	Other Information	Amount	PO #	Invoice #	Check #	
9/21/23	3	24	AP1526 2309-082185	PLASTIC CULVERT DIAMOND BUILDIN	170.82	SEPT23	81333,82032,82185	32516	
9/05/23	3	24	AP1495 2308-080091	CULVERT DIAMOND BUILDIN	469.90		2308-342147	32474	
9/05/23	3	24	AP1495 2308-079273	CULVERT DIAMOND BUILDIN	469.90		2308-342147	32474	
8/17/23	2	24	AP1473 INVOICE 245821	HICKAM CULVERT WATER & SEWER S	471.40		245821/245937	32443	
6/07/23	12	23	AP1379 MAY 2023	RITCHIE & SONS	59.90		MAY 2023	32303	
5/24/23	11	23	AP1369 INVOICE 243904	WATER & SEWER S	485.60		243760/243904	32280	
5/24/23	11	23	AP1369 INVOICE 243760	WATER & SEWER S	2021.60		243760/243904	32280	
4/06/23	10	23	AP1320 242802	WATER & SEWER S	971.20		242527/242534/242802	32191	
11/08/22	5	23	AP1170 ORDER C-40787; INV C-42945	METAL CULVERTS	142.80	11032022	C-42945	31892	
10/26/22	4	23	AP1159 BEN POLLOCK-FRANCIS ST	METAL CULVERTS	456.96	10242022	C-42902	31865	
7/05/22	1	23	AP1040	METAL CULVERTS	1339.20		C-42476	31664	
10/07/20	4	21	AP 435 CULVERT PARTS	METAL CULVERTS	1656.00	10072020	J-39411	30534	
7/15/20	1	21	AP 353 GAYLON BROOKS NEW HOME BLDG.	METAL CULVERTS	344.00		7152020	303336	
10/29/19	4	20	AP 195 196.00 CULVERT, 45.00 FREIGHT	METAL CULVERTS	241.00		C-38862	14484	
8/20/19	2	20	AP 156 10X20 CULVERT INSTALLED FOR	BOGIE PUMP INC	107.80		125727	14311	
6/10/19	12	19	AP 85 CULVERTS FOR SHIREMAN	METAL CULVERTS	901.60		J-37763	14136	
4/22/19	10	19	AP 17 PURCHASED A METAL CULVERT	SCHWARTZ ROBERT	69.60		4/18/19	14017	
4/22/19	10	19	AP 17 CUSTOMER CULVERTS ALREADY PAID	METAL CULVERTS	1274.00		J37612	14008	
4/22/19	10	19	AP 17 CULVERT	WATER & SEWER S	138.00		213100 118 213321	14022	
3/31/19	9	19	GL 15 CONVERSION BALANCES	BEGINNING BALAN	1177.02				
TOTAL:					12968.30				

\$ 4,589.02 | 2023

\$ 1,339.20 | 2022

# Boone County Resource Management/Road & Bridge



## ADDITIONAL RESPONSIBILITIES

### 2023 CITY OF STURGEON ANNUAL REPORT

Fri Dec 8, 2023 1:33 PM

GENERAL LEDGER INQUIRY

Page 1

Account No	Date	Amount			
100-410-7710				Jul	%
NEW EQUIPMENT PURCHASE - GENER				Aug	
100 GENERAL				Sep	2,497.49 166%
410 STREET & ROAD				Oct	2,289.81 114%
7710 EQUIPMENT-EXERCISE/WEIGH				Nov	2,289.81 91%
				Dec	2,289.81
Budget		6,000.00		Jan	
Expended YTD		2,289.81		Feb	
Unexpended YTD		3,710.19		Mar	
Available		3,710.19		Apr	
5/24 Budget				May	
MTD	499.80		499.80	%	
YTD	6,000.00	2,289.81	3,710.19	38%	
2023	10,607.41	10,607.41		100%	
2022	1,500.00	112.96	1,387.04	8%	
2021	1,500.00	1,118.39	381.61	75%	

Date	Per	Jrnl	Reference	Other Information	Amount	PO #	Invoice #	Check #	
10/12/23	1 24	AP1545	CREDIT -- SPRAYER	BANKCARD SERVIC	207.68		ROBERTHILL092023	32556	
9/15/23	3 24	AP1512	SP PITTSBURGH SPRAYER	BANKCARD SERVIC	2484.00		ROBERT HILL 2429	32491	
9/05/23	3 24	AP1493		RITCHIE & SONS	13.49		AUGUST 2023	32471	
10/12/22	4 23	AP1138	Anti tow lock kit	BANKCARD SERVIC	277.87	5528	9/30-10/25/22	31825	
8/23/22	2 23	AP1085	GRO94267 MAKE GR MODEL:992298	HENDERSON IMPL	10329.54		270589	31737	
7/14/21	1 22	AP 696	LIGHT,GATORADE/MEM	BANKCARD SERVIC	112.96	5528	06/01-30/2021	31128	
4/12/21	10 21	AP 610	TYPE I REFLECTIVE BARRICADE	SCHULTE SUPPLY	199.75		S1171087.001	30950	
2/11/21	8 21	AP 552	4'X50' ORANGE BARRICADE FENCIN	SCHULTE SUPPLY	299.80	10377	S1168981/1168930	30802	
1/14/21	7 21	AP 522	DECEMBER 2020	BANKCARD SERVIC	49.95		7015/3008	30732	
11/04/20	5 21	AP 461	GME SUPPLY CO	BANKCARD SERVIC	29.99		101620	30594	
8/26/20	2 21	AP 394	STREET SAFETY	BANKCARD SERVIC	488.98		08162020	30438	
7/30/20	1 21	AP 370	STREET	BANKCARD SERVIC	49.92		07292020	30376	
TOTAL:					14128.57				

Tax credit

~~\$ 2,484 / 2023~~

## Boone County Resource Management/Road & Bridge



# MEET THE STAFF



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



# Boone County Resource Management/Road & Bridge



## MEET THE STAFF



**From the left: Christina Crane, Administrative Coordinator; Keith Austin, Chief Road Inspector; Darin Sapp, Road Inspector.**

**Boone County Resource Management/Road & Bridge**



**MEET THE STAFF**



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



**Boone County Resource Management/Road & Bridge**



**MEET THE STAFF**

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



# 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](mailto:PublicWorks@boonecountymo.org)

### Responsibilities

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

## **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](mailto:resmgt@boonecountymo.org)

### Responsibilities

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

# Mission

**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.**

For information on projects, road closures and other activities look for us on the internet & facebook:

<https://www.showmeboone.com/resource-management>

<https://www.showmeboone.com/road-bridge>