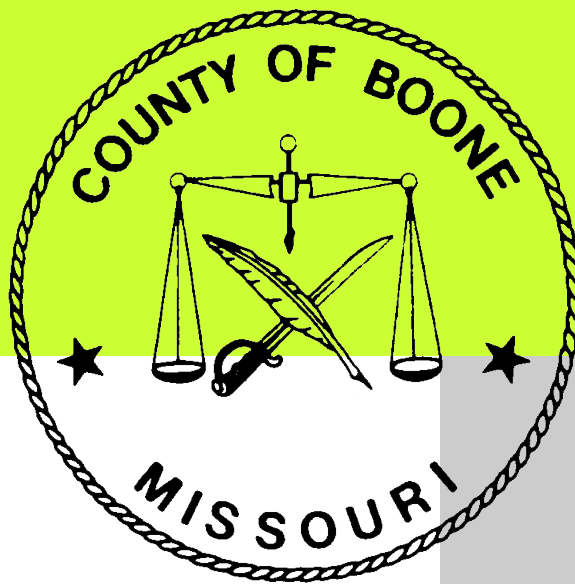


Boone County Road & Bridge 2022 Annual Report



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

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.

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 2022 as well as our 2023 work plan. Our mission is to maintain and improve the County's 775 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

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Requirement #1

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

**Fiscal Year 2022
Expenses**

FY2022 Expenses

Road & Bridge Expenditures Yearly Comparison

	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual
Maintenance	\$ 7,316,481	\$ 8,025,593	\$ 7,136,781	\$ 7,095,987	\$ 7,063,077
Road Infrastructure Rehab Preservation	3,287,483	4,161,622	3,488,468	5,171,587	3,706,517
Road Inspection	2,232,145	1,147,802	1,122,565	1,037,361	2,586,288
Stormwater Planning	42,957	85,783	115,563	117,043	114,620
Administrative Services Charge	241,755	241,755	329,163	405,000	538,000
Insurance Activity	30,590	2,753	10,870	8,647	44,941
Facility Repair & Replacement	50,000	50,000	50,000	50,000	150,000
Property Tax Distribution	224,663	249,839	247,149	258,052	264,403
Sales Tax Distribution	2,464,895	2,694,854	2,680,370	2,739,268	2,718,437
CART/MV Distribution to Road District	83,799	87,359	87,494	89,271	88,168
Other	(473,324)	517,760	13,246	6,487	131,927
Total	\$15,501,444	\$17,265,120	\$15,281,669	\$16,978,703	\$17,406,378
	2019 Actual	2020 Actual	2021 Actual	2022 Estimated	2023 Budget
Maintenance	\$ 7,128,059	\$ 6,960,412	\$ 5,330,388	\$ 5,815,918	\$ 8,670,503
Road Infrastructure Rehab Preservation	6,646,329	3,741,156	4,120,555	4,423,784	5,662,000
Road Inspection	1,195,385	1,022,210	227,413	238,985	374,318
Stormwater Planning	110,767	114,628	138,760	156,191	188,028
Fleet Maintenance Operations	-	-	1,421,767	1,752,855	1,670,650
Traffic/Sign	-	-	139,377	147,046	159,332
R&B -Administration	-	-	288,251	279,906	337,294
Facilities Maintenance/Custodial	-	-	121,163	93,354	126,908
RM-Administration	-	-	132,290	164,247	319,587
RM-Engineering	-	-	1,271,067	506,868	583,166
R&B IT Hardware & Software	-	-	-	70,822	124,009
Administrative Services Charge	630,000	675,000	615,030	675,000	690,000
Insurance Activity	23,862	1,782	372,726	179,369	224,550
Facility Repair & Replacement	150,000	150,000	150,000	150,000	150,000
Property Tax Distribution	271,372	279,453	290,722	306,010	306,010
Sales Tax Distribution	2,757,898	2,745,457	2,784,609	3,039,427	3,039,427
CART/MV Distribution to Road District	89,095	86,126	94,351	97,570	97,570
Other	158,964	182,193	8,075	1,207,000	59,000
Total	\$19,161,731	\$15,958,417	\$17,506,544	\$19,304,352	\$22,782,352

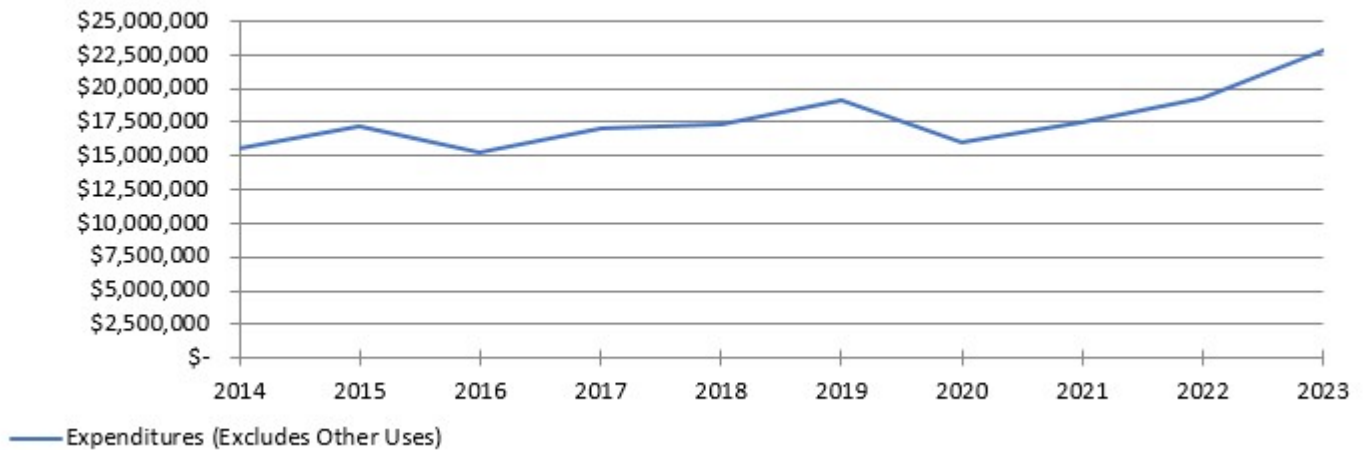
Amounts shown above are actual dollars spent 2014 through 2021, projected dollars spent for 2022 and budgeted dollars for 2023.

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.

FY2022 Expenses

Road & Bridge Expenditures Yearly Comparison

Expenditures - Road & Bridge

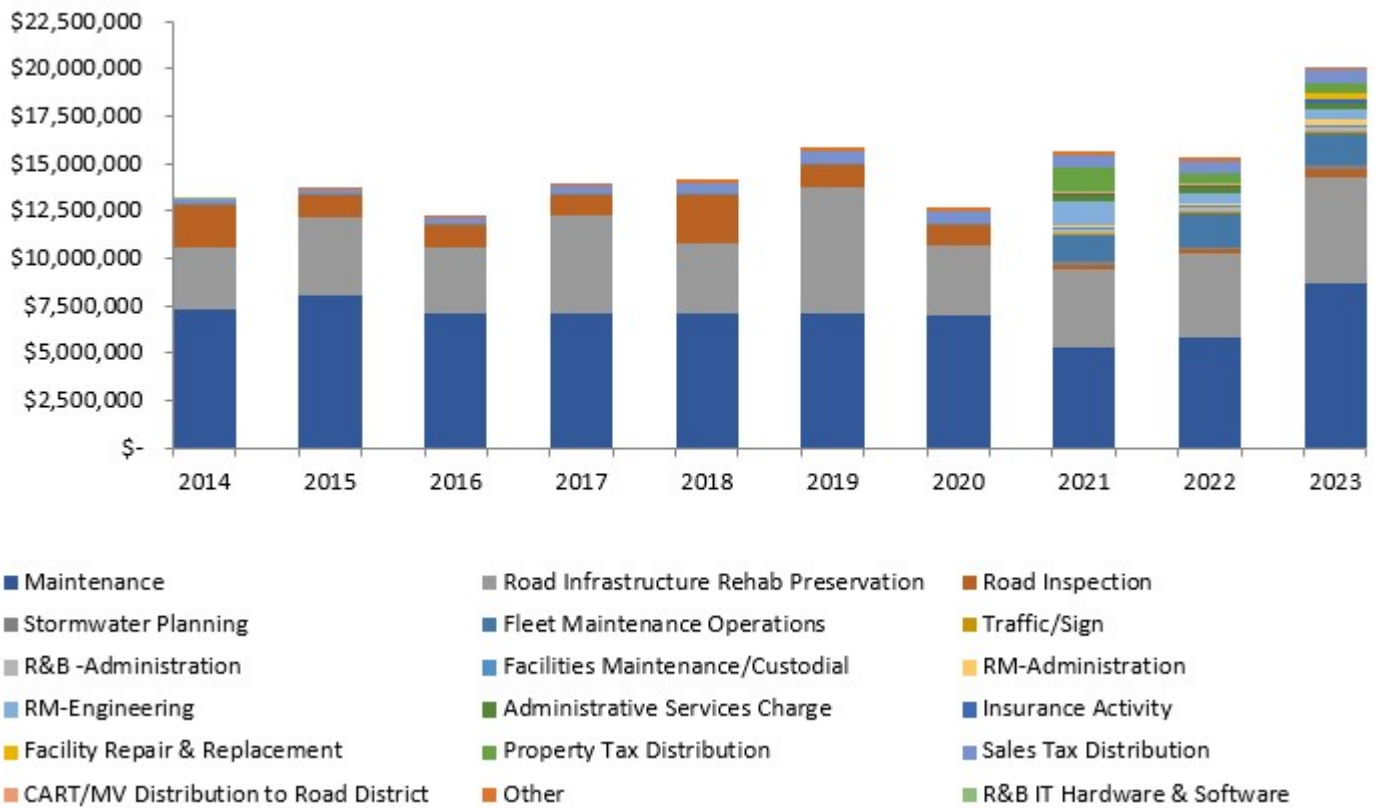


- ♦ 2019 Infrastructure Preservation & Rehab funding level increased for the El Chaparral Concrete rehab project
- ♦ 2020 Infrastructure Preservation & Rehab funding level increased for County participation in the replacement of the I-70 bridge at Rocheport
- ♦ 2021 Infrastructure Preservation & Rehab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

FY2022 Expenses

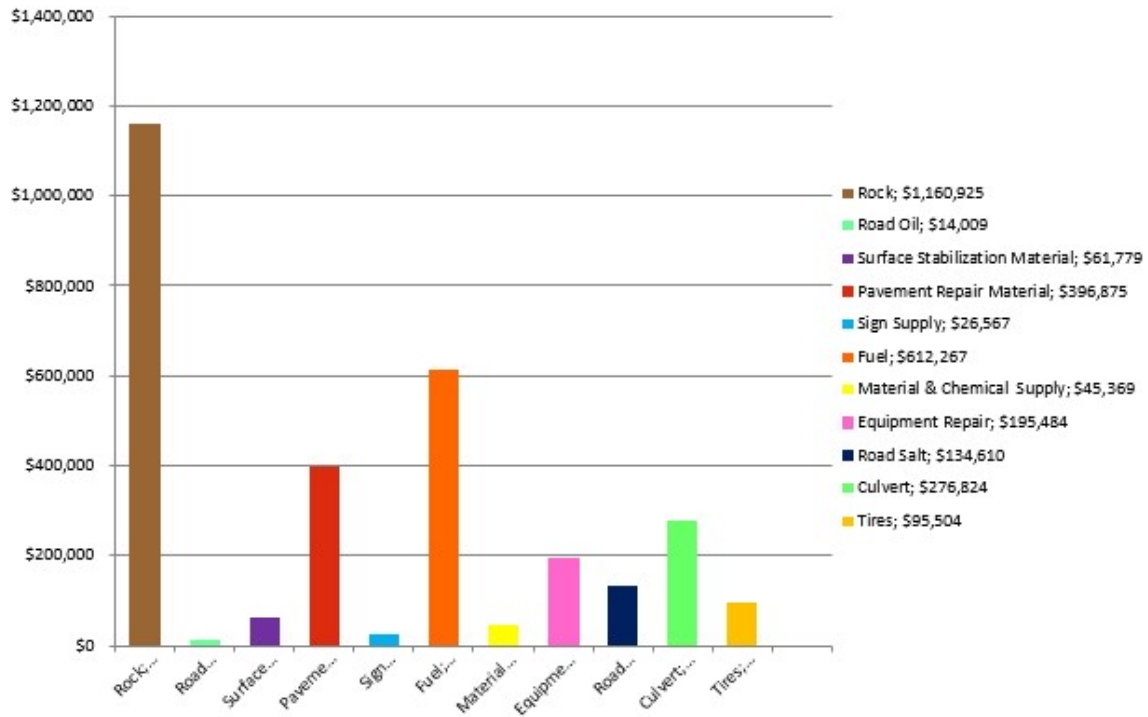
Road & Bridge Expenditures Yearly Comparison

Expenditures by Function - Road & Bridge

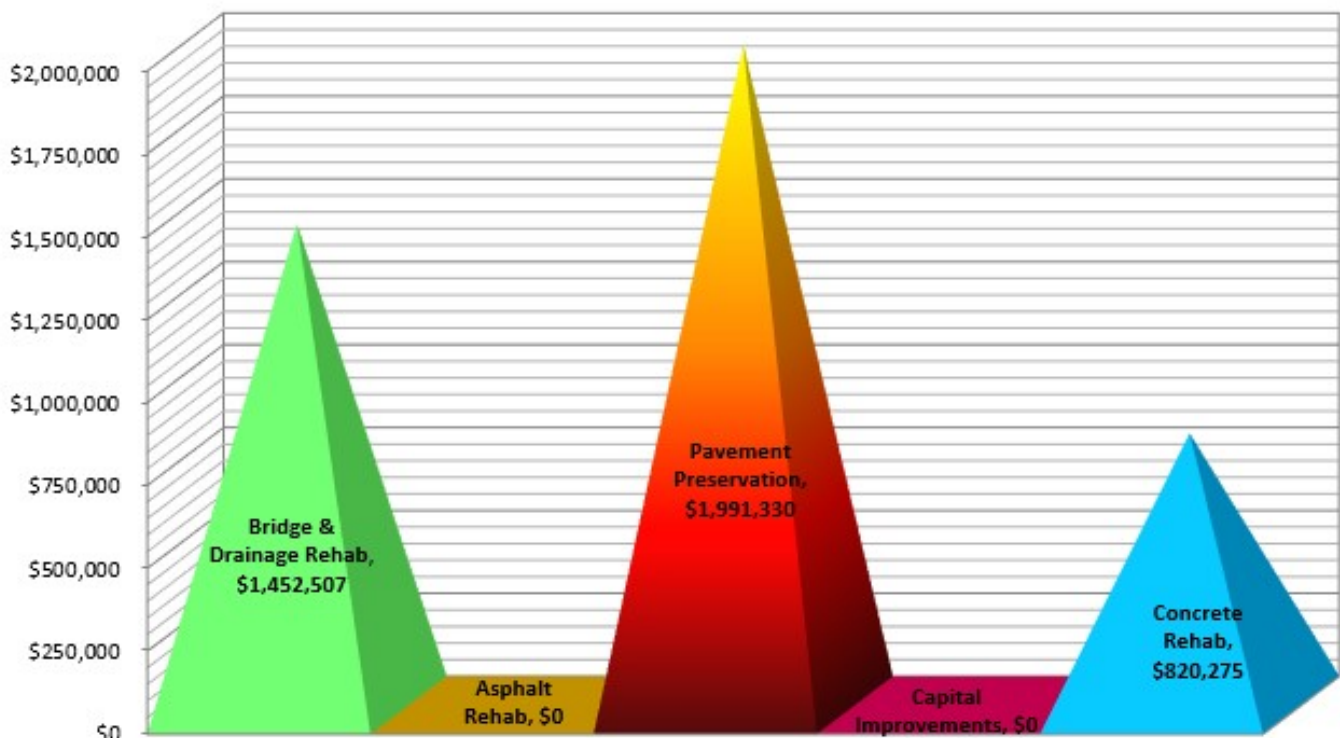


FY2022 Expenses

Road & Bridge Major Supplies Expenses 2022



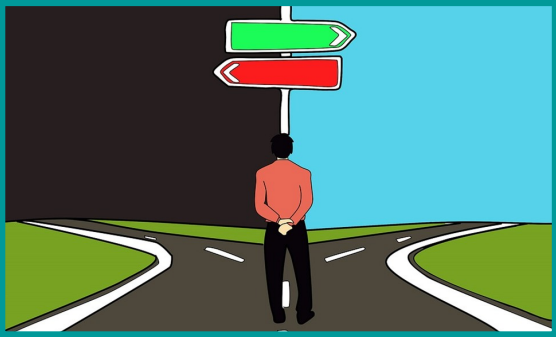
Program Expenses 2022



FY2022 Project Money Expended

Preserve: to keep safe from destruction

Webster's Collegiate Dictionary 10th edition



Pavement Preservation

**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 an acceptable or better condition within a two-million-dollar budget even though product prices have increased significantly from 2011 to 2022. This is evidence our approach to maintaining roads works!

FY2022 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 2022 Project Locations



Wyatt Lane



Lake of the Woods Road

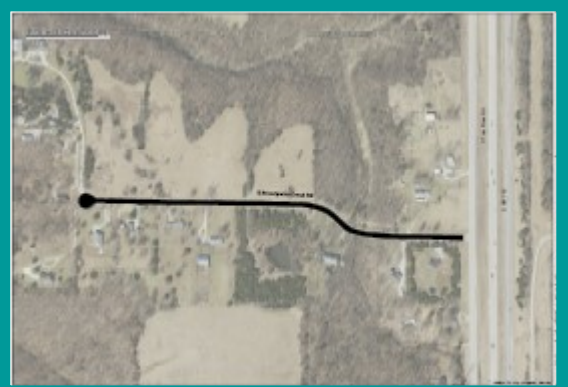
FY2022 Project Money Expended

Pavement Preservation

Asphalt Overlay 2022 Project Locations



Akeman Bridge Road



Brandywine Road



Dee Woods Road



Kircher Rd

2022 Asphalt Overlay:

- ◆ Covered 70,600 Square Yards
- ◆ 27,689 Linear Feet or 5.2 Centerline miles
- ◆ \$761,591.82 Total Construction Cost
- ◆ \$10.79 Cost per Square Yard
- ◆ \$146,459.97 Cost per Mile

FY2022 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.

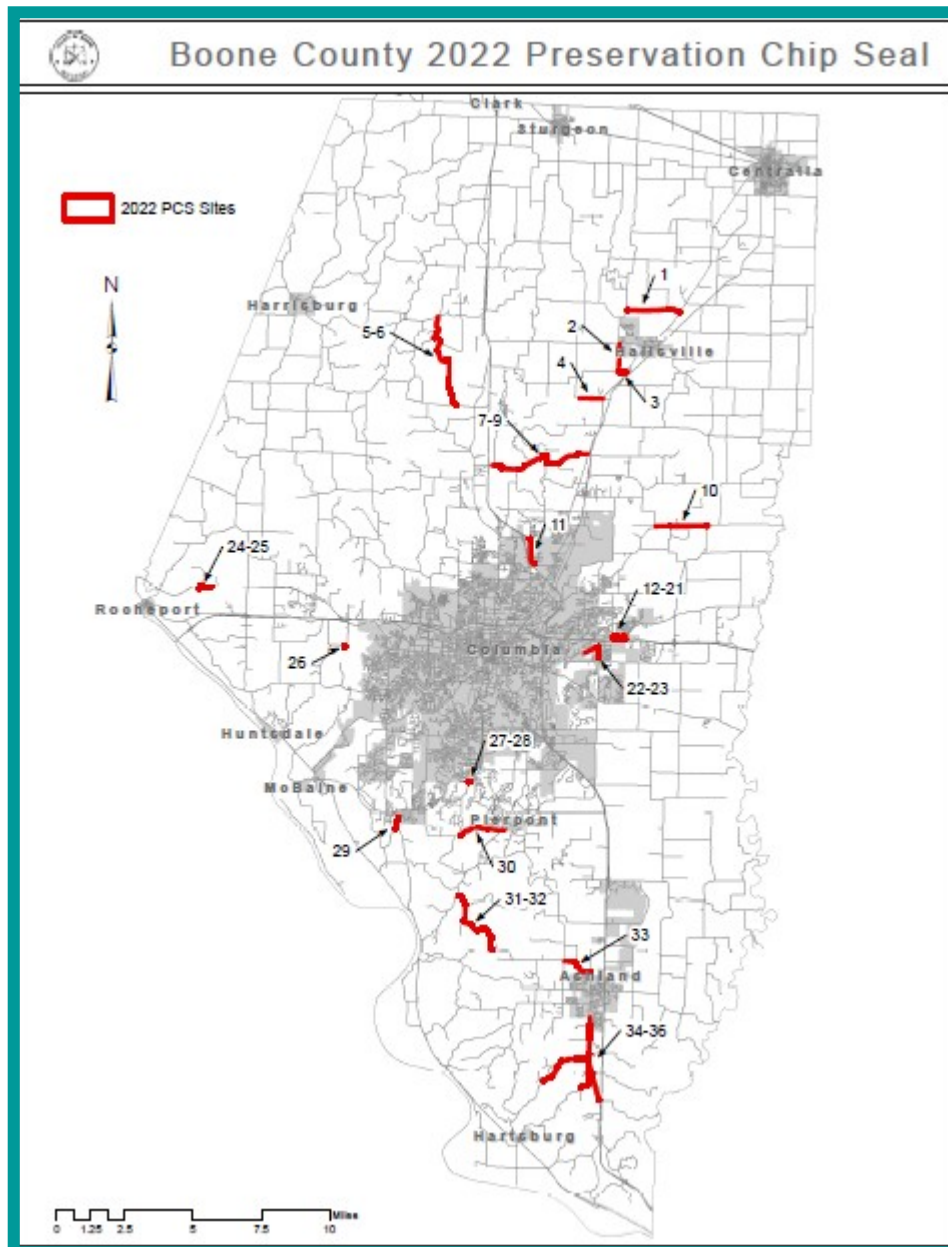
2022 Preservation Chip Seal:

- ◆ Covered 414,315 Square Yards
- ◆ 164,825 Linear Feet or 31.2 Centerline miles
- ◆ \$1,185,554.09 Total Construction Cost
 - ◆ \$2.86 Cost per Square Yard
 - ◆ \$37,998.53 Cost per Mile

FY2022 Project Money Expended

Pavement Preservation

Preservation Chip Seal 2022 Project Locations



FY2022 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 2022. 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. In recent years, the aggregate has been changed to river rock for increased durability. The name "Limestone Chip Seal" is now a bit of a misnomer. This remedy as a dust control method for additional roads was discontinued due to high cost.

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.

FY2022 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.

Bi-annually, Boone County Resource Management staff inspect and rate each individual panel making up the concrete roadways of the Boone County transportation network. Each panel is mapped and given a rating of “Good,” “Damaged,” or “Replace.” Staff analyzes this data to determine when a rehabilitation project may be needed.



FY2022 Project Money Expended

Concrete Rehabilitation

2022 Project Location



Area of Reconstruction

.Loop of Bellview Drive and Bethany Drive

Project Construction Cost:

- ◆ 6,369 Square Yards
- ◆ 2,288 Linear Feet or 0.43 Centerline miles
- ◆ \$820,275.11 Total Construction Cost
- ◆ \$128.79 Cost per Square Yard
- ◆ \$1,907,616.53 Cost per Mile

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.

FY2022 Project Money Expended

Concrete Rehabilitation

Project Overview

- ◆ Removal and replacement of failed concrete curb and gutter, removal of existing concrete pavement and underlying soil, installation of new base rock and a new asphalt pavement were the steps taken to reconstruct these streets.

- A reconstruction project is the complete removal of the existing concrete pavement and replacing it with a new asphalt pavement section.



Construction Sequence



Step 1: Saw Cut for Curb Repair



Step 2: Curb and Gutter Repair



Step 3: Pavement Removal/Excavation

Step 5b: Install Asphalt Surface (Finished)

Step 5a: Install Asphalt Lift 1

Base Rock



Step 5: Asphalt Paving



Step 4: Fabric & Base Rock Installation



Bellview & Bethany after construction



Bellview & Bethany after construction

FY2022 Project Money Expended

Drainage Structures

Project Location

- ♦ Olivet Road Bridge #BR34100031

Project Overview

- ♦ Removal of an existing structure and replacement with a 58 ft. 8 in. long concrete deck on steel girder, single span bridge.

Project Explanation

- ♦ Replace a deficient, load restricted bridge constructed in 1970



Project Cost:

- ♦ \$495,822.81

Olivet Bridge after construction



FY2022 Project Money Expended

Drainage Structures

Project Location

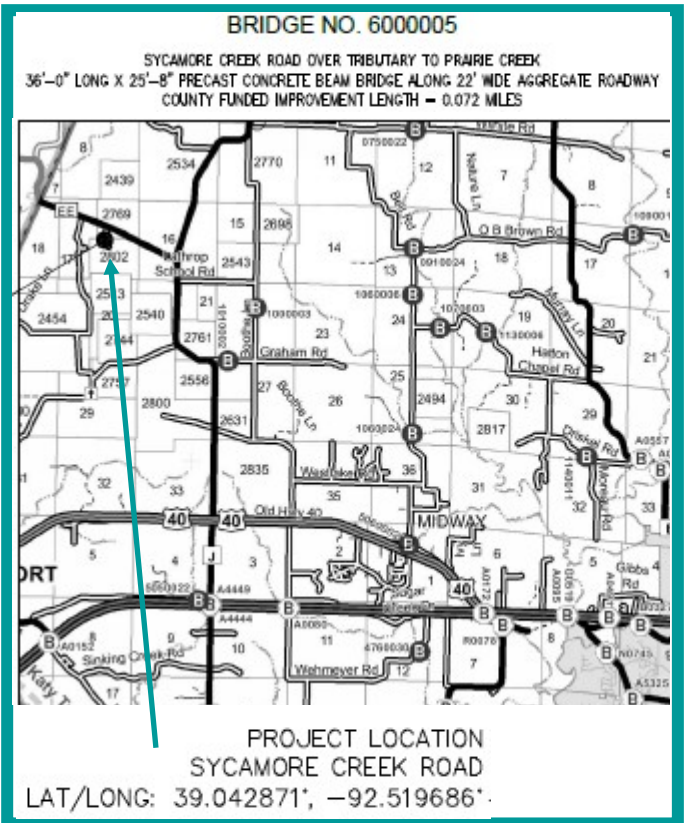
- ♦ Sycamore Creek Bridge #BR6000005

Project Overview

- ♦ Removal of an existing bridge structure and low water crossing followed by replacement with a 36 foot concrete deck on precast concrete box beam, single-span bridge.

Project Explanation

- ♦ Replace a deficient, one-lane, load restricted bridge and adjacent low-water crossing.



Project Construction

Cost:

- ♦ \$452,375.88

Sycamore Creek Bridge after construction



FY2022 Project Money Expended

Drainage Structures

Project Location

- ♦ Woodie Proctor Road Bridge
#BR497024

Project Overview

- ♦ Excavate and remove existing triple 60" diameter corrugated metal pipe crossing. Construct bedding pad and install 54 foot long, 14 foot wide by 5 foot high precast concrete box culvert.

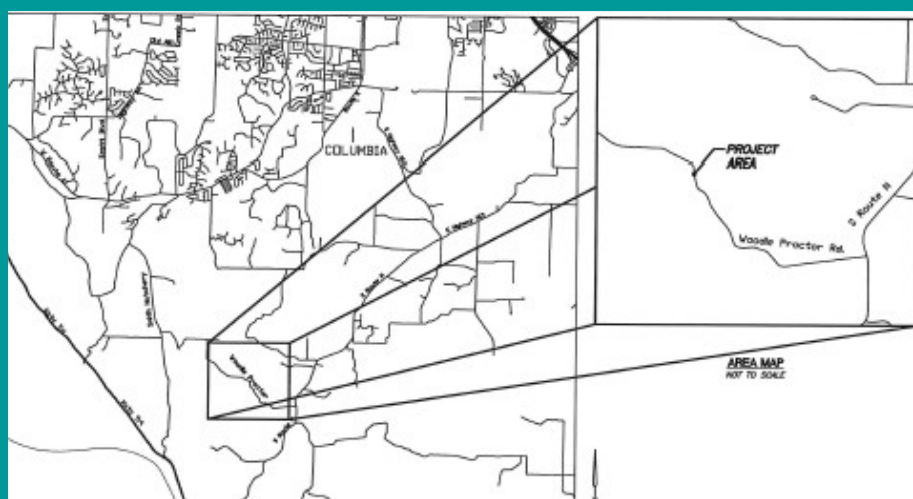
Project Explanation

- ♦ Replace corrugated metal pipe culverts that had reached the end of their functional lives.

Project Construction

Cost:

- ♦ \$114,297.00

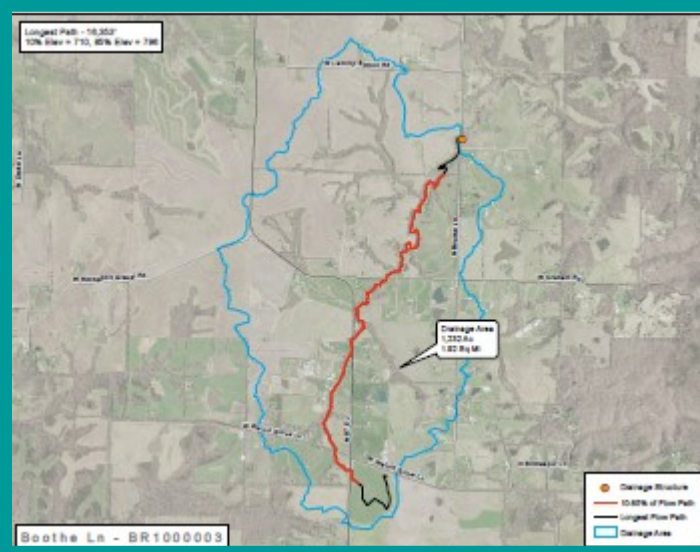
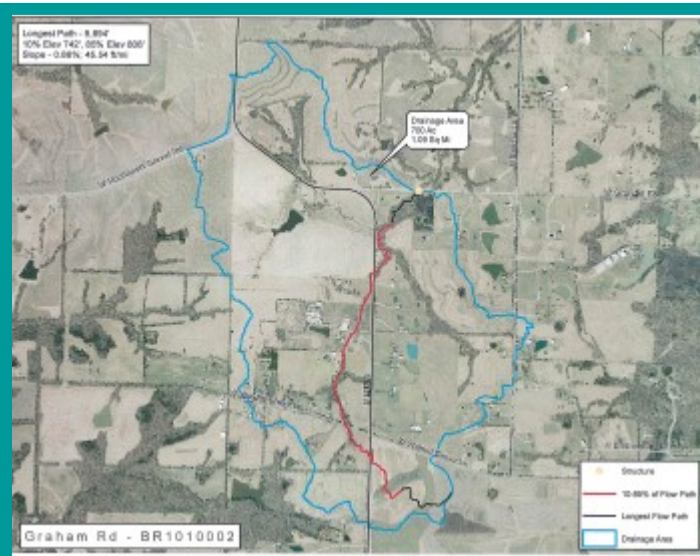


FY2022 Project Money Expended

Drainage Structures

Project Location

- ♦ **Graham Road Bridge #BR1010002**
- ♦ **Boothe Lane Bridge #BR1000003**



Project Overview

- ♦ **Graham Rd:** Excavate and remove existing triple 72 inch diameter corrugated metal pipe crossing. Construct bedding pad and install 16 foot wide by 7 foot high precast concrete box culvert.
- ♦ **Boothe Ln:** Excavate and remove existing triple 84 inch diameter corrugated metal pipe crossing. Construct bedding pad and install 16 foot wide by 7 foot high precast concrete box culvert.

Project Explanation

- ♦ **Graham Rd:** Replace corrugated metal pipe culverts that had reached the end of their functional lives.
- ♦ **Boothe Ln:** Replace corrugated metal pipe culverts that had reached the end of their functional lives.

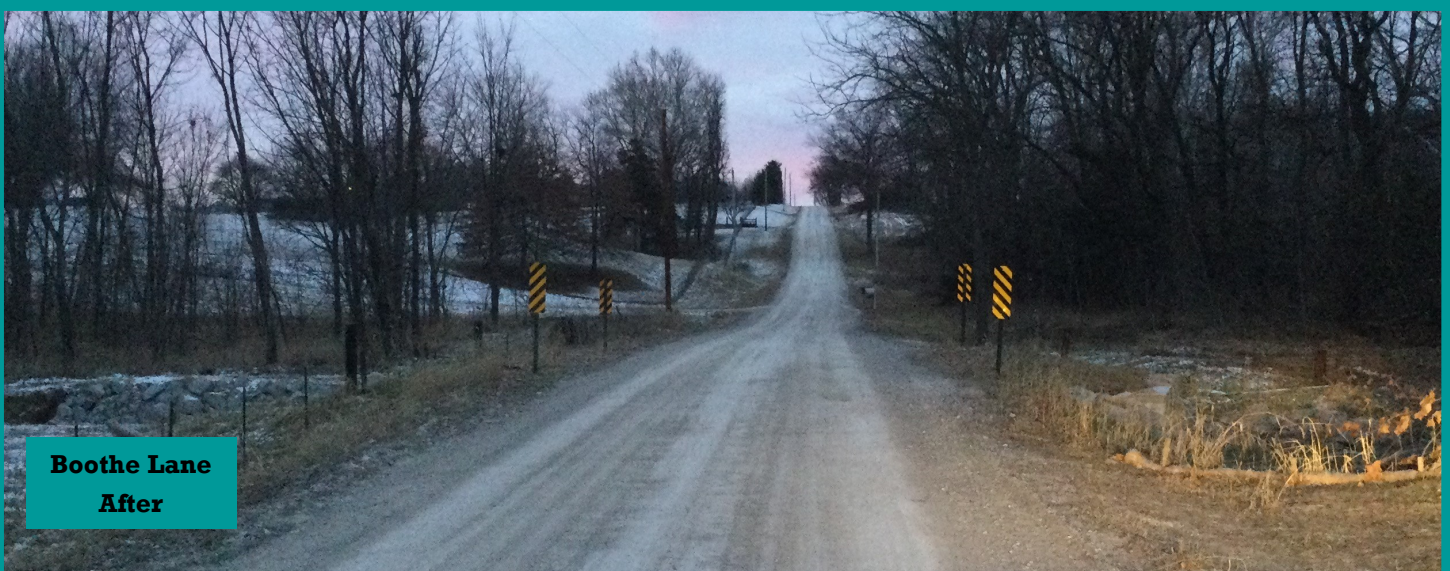
Project Construction

Cost:

- ♦ \$268,173.51—bid as a single contract

FY2022 Project Money Expended

Drainage Structures



FY2022 Project Money Expended

Drainage Structures





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 2022 Plan

FY2023 Work Plan

Road & Bridge Revenue Yearly Comparison

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

	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual
Property Tax	\$ 1,435,135	\$ 1,449,860	\$ 1,506,835	\$ 1,542,304	\$ 1,577,547
Sales Tax	13,754,107	14,017,758	14,270,107	14,322,240	14,215,362
Motor Vehicle Sales Tax	478,831	508,312	508,987	534,408	526,497
County Aid road Tax	1,207,067	1,233,074	1,246,749	1,255,175	1,229,266
Intergovernmental	30,684	228,034	38,716	132,025	1,554,369
Charges for Services	341,568	129,040	35,054	34,170	32,559
Interest & Other	99,792	99,198	115,961	174,186	307,549
Total	\$ 17,347,184	\$ 17,665,276	\$ 17,722,409	\$ 17,994,508	\$ 19,443,149

	2019 Actual	2020 Actual	2021 Actual	2022 Estimated	2023 Budget
Property Tax	\$ 1,654,751	\$ 1,703,606	\$ 1,662,866	1,877,400	\$ 1,929,375
Sales Tax	14,181,969	14,452,403	16,801,034	17,977,000	19,621,000
Motor Vehicle Sales Tax	541,022	554,279	628,770	591,500	565,000
County Aid road Tax	1,244,912	1,167,735	1,279,123	1,237,000	1,600,000
Intergovernmental	54,628	331,382	908,791	240,665	785,650
Charges for Services	36,096	47,790	8,329	7,900	8,100
Interest & Other	518,392	350,888	(28,627)	207,151	177,100
Total	\$ 18,231,770	\$ 18,608,083	\$ 21,260,286	\$ 22,138,616	\$ 24,686,225

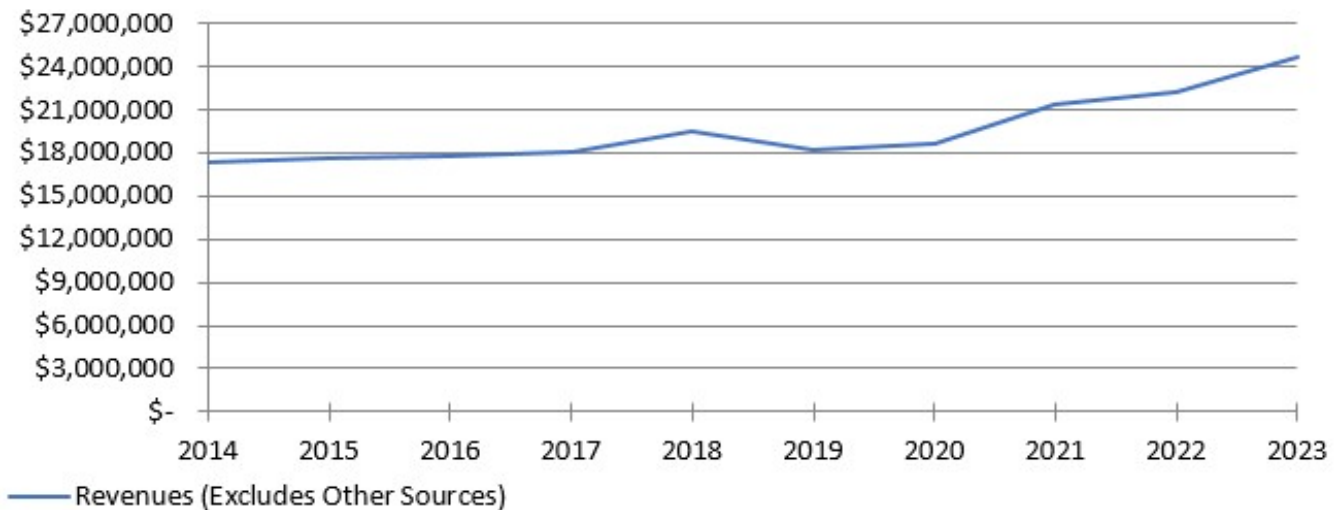


- ◆ 2018 Revenue includes \$1,516,384.95 reimbursement on a Federal Grant.
- ◆ 2019 Revenue includes \$4,584.65 reimbursement on a Federal Grant and \$23,630.80 from a State Grant reimbursement.
- ◆ 2020 Revenue includes \$58,113.37 reimbursement on a Federal Grant and \$22,833.09 from a State Grant reimbursement.
- ◆ 2021 Revenue includes \$766,058.73 reimbursement on a Federal Grant and \$7,793.25 from FEMA

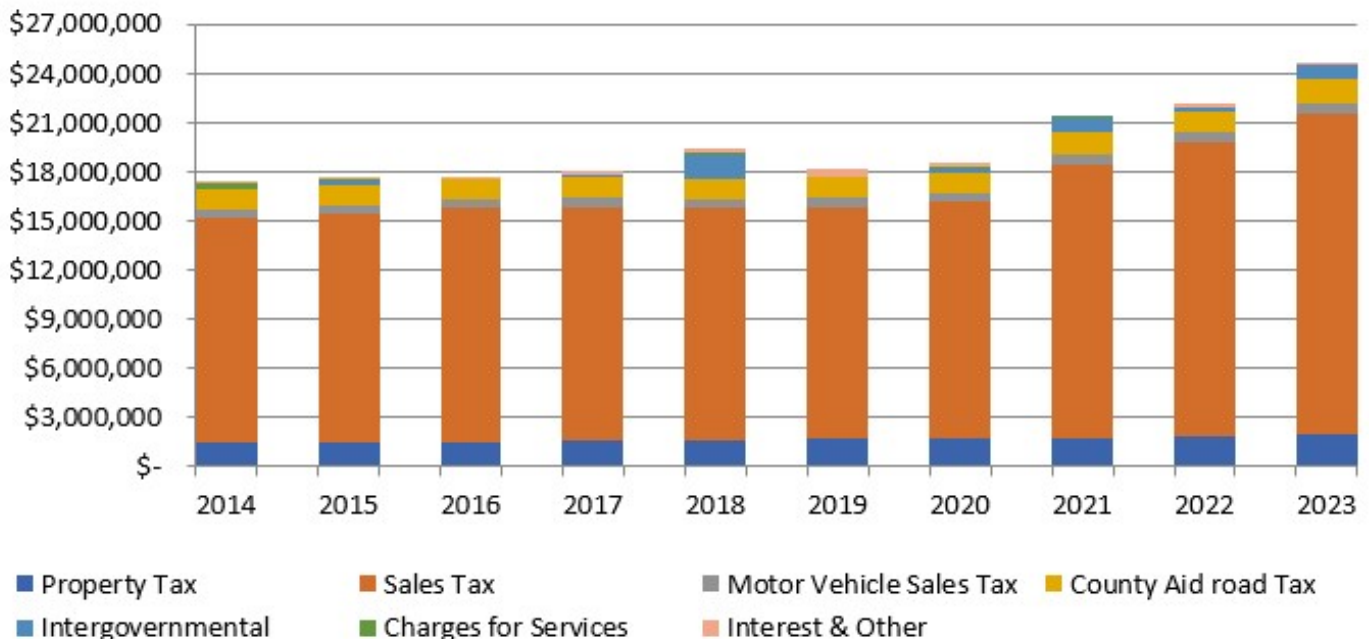
FY2023 Work Plan

Road & Bridge Revenue Yearly Comparison

Revenues - Road & Bridge



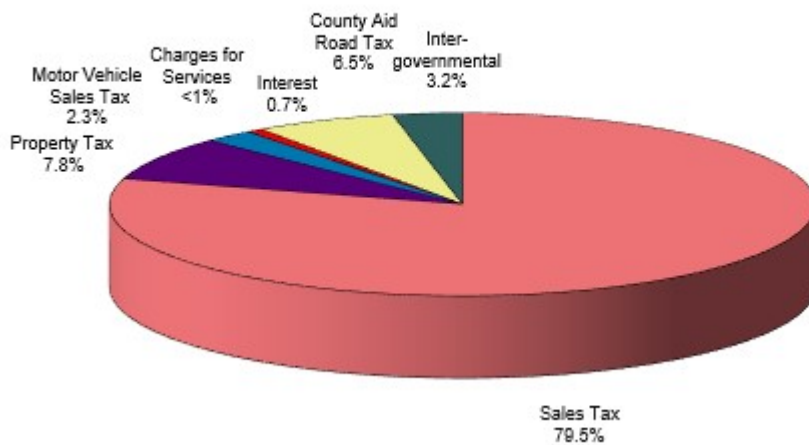
Revenues - Road & Bridge



FY2023 Work Plan

Road & Bridge Revenue Yearly Comparison

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



Where The Money Comes From

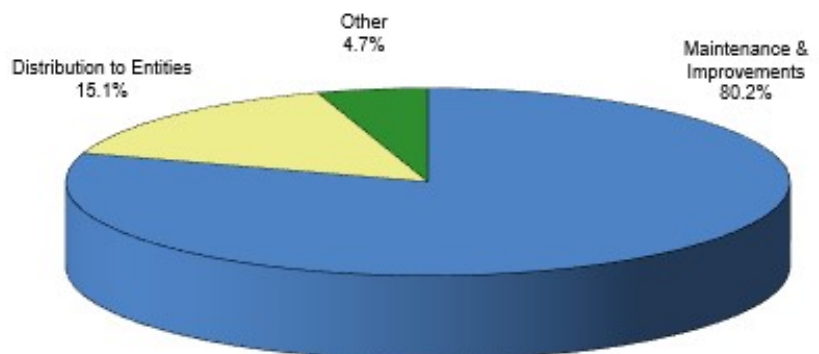
Sales Tax	\$ 19,621,000
Property Tax	1,929,375
Motor Vehicle Sales Tax	565,000
Charges for Services	8,100
Interest & Other	177,100
County Aid Road Tax	1,600,000
Intergovernmental	785,650
Total Revenues	\$ 24,686,225
Other Financing Sources	295,000
Fund Balance Used for Operations	-
Total Financing Sources	\$ 24,981,225



What The Money Is Used for

Property Tax Distribution	\$ 306,010
Sales Tax Distribution	3,039,427
Road Maintenance	8,670,503
Fleet Maintenance Operations	1,670,650
Traffic/Sign	159,332
Infrastructure Preservation/Rehab	5,662,000
Design & Construction	374,318
Stormwater Administration	188,028
R&B & RM Administration	656,881
Engineering	583,166
R&B IT Hardware & Software	124,009
Administrative Services Charge	690,000
Facilities Maintenance/Custodial	126,908
Facility Repair & Replacement	150,000
Insurance Activity	224,550
CART/MV Distribution to Road District	97,570
Other	59,000
Total Expenditures	\$ 22,782,352
Total Other Financing Uses	\$ -
Total Financial Uses	\$ 22,782,352

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



FY2023 Work Plan

Asphalt Rehabilitation Projects

- ◆ There are currently no asphalt rehabilitation projects under consideration

Capital Improvement Projects

- ◆ There are currently no capital improvement projects under consideration

Concrete Rehabilitation Projects

- ◆ There are no current plans for individual panel replacements.
- ◆ Gillespie Bridge Road and Obermiller Road Rehabilitation is in the final design phase and proposed for construction in 2023.

Drainage Structure Projects

- ◆ McGee Road Culvert #4155 rehab/replacement is currently in final design phase and planned for construction in 2023.
- ◆ Ben Williams Bridge #BR35000021 is in the final design phase and proposed for construction in 2023.

Pavement Preservation Projects

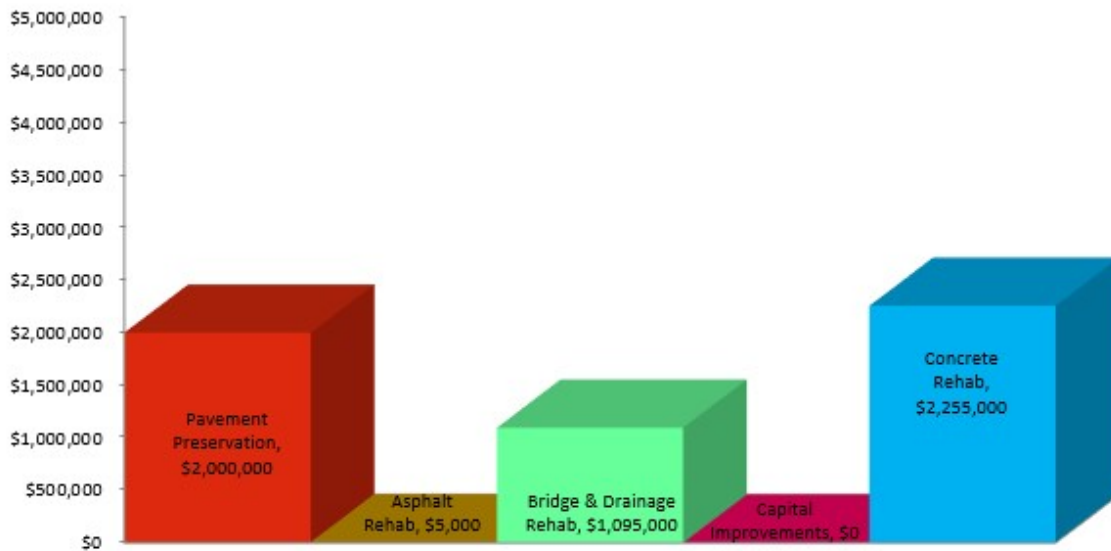
These projects are under design and planned for construction in 2023:

- ◆ Asphalt Overlay
- ◆ Preservation Chip Seal
- ◆ Surface Seal

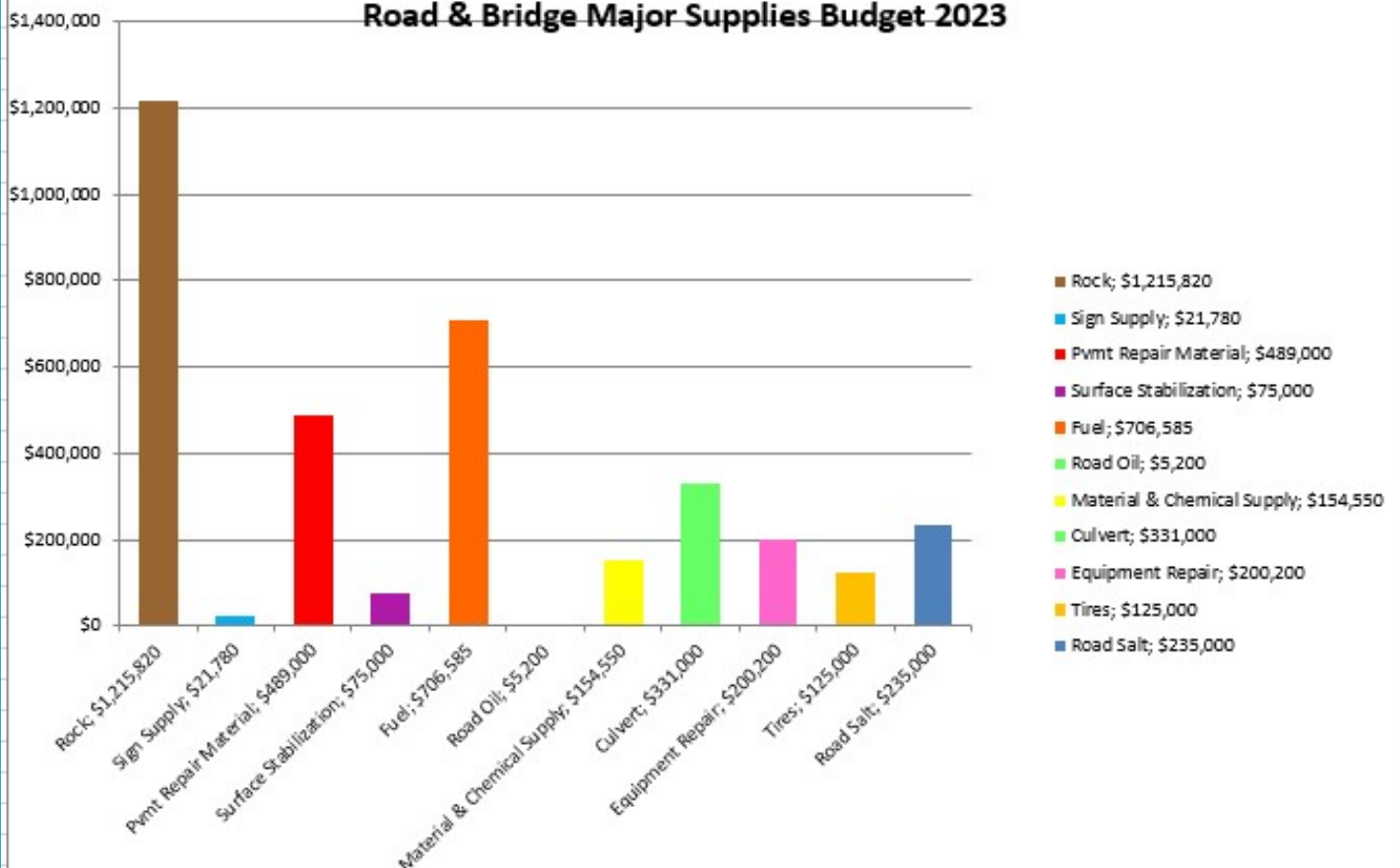


FY2023 Work Plan

Program Budget 2023



Road & Bridge Major Supplies Budget 2023





Requirement #3

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

**Fiscal Year 2022
Condition**

FY2022 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 are based on surface types. A preservation chip seal surface, is considered the same as an asphalt surface and is therefore reported in the Asphalt category in these statistics.

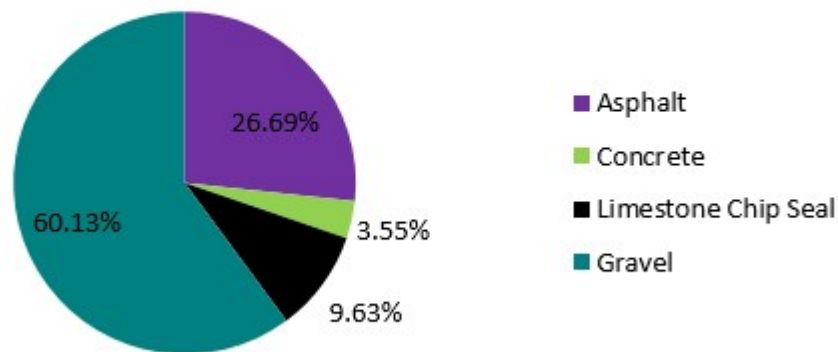
Surface Type	Total Miles	Percent of Total	Change in Total
Asphalt	206.92	26.69%	+0.37
Concrete	27.50	3.55%	+2.41
Limestone Chip Seal	74.62	9.63%	+/-0
Gravel	466.10	60.13%	+0.6
Total	775.14	100.00%	+3.38

****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.

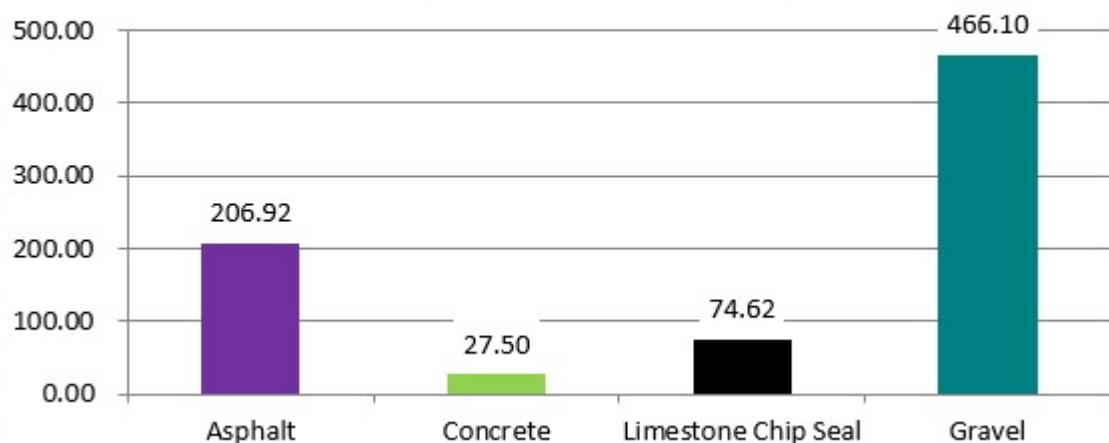
FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

Total Miles of Road Maintained by Boone County

Percent of Total Road Network



Boone County Pavement Types (In miles)



FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

2022 Asphalt Surface Ratings

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

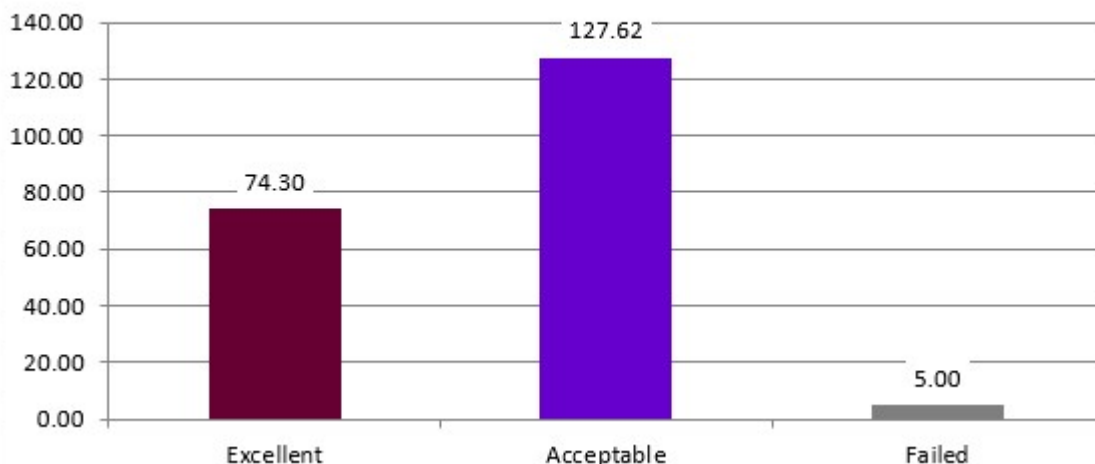
OCI = Overall Condition Index

Excellent = a value 85 and above

Acceptable = any value between 55 and 85

Failed = anything less than 55

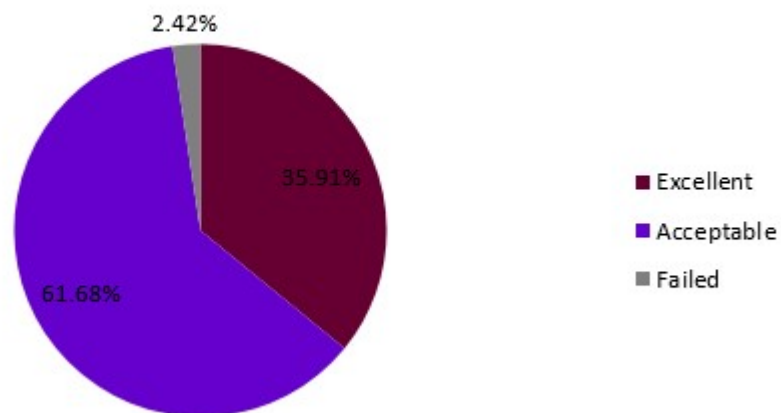
Asphalt Pavement Length (In miles)



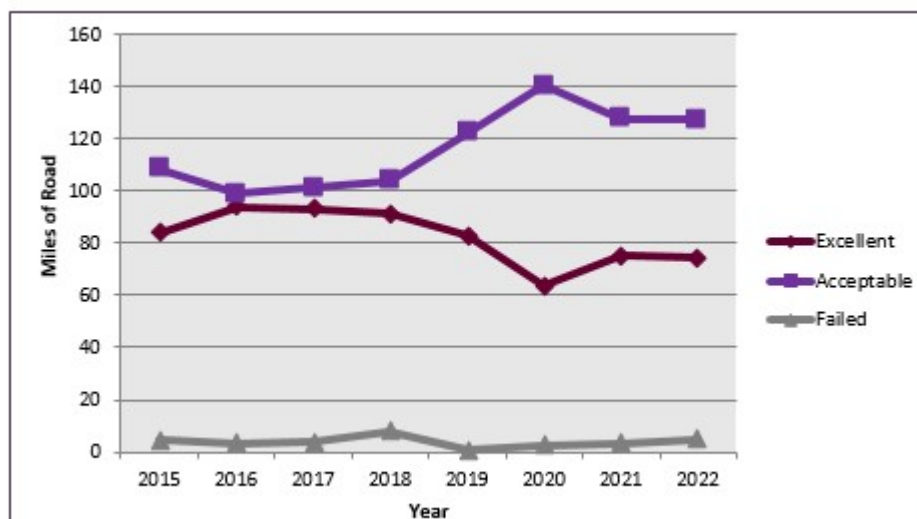
FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

2022 Asphalt Surface Ratings & Comparison

Percent of Total Asphalt



Asphalt Road Rating Comparison 2015-2022



FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

2022 Concrete Panel Ratings

Concrete roads are a rigid or non-flexible pavement and cannot be evaluated using the same criteria used for asphalt roads. Concrete roads are inspected by each individual panel. The ratings in these graphs are based on panels in each category, and not in road miles

Excellent = panel has no damage

Acceptable = panel has minor damage

Failed = panel needs to be replaced

Flexible vs Rigid Pavement

Both flexible and rigid pavements are composed of fine aggregate, coarse aggregate, and a binder. In flexible pavements the binder is generally a bituminous asphalt type material. In rigid pavements the binder is generally a Portland cement type material. The job of both binders is to “bind” or hold the other ingredients together. As the name suggests, flexible pavements are designed to flex a certain amount as load is applied and share the load with a base material designed for this purpose. Rigid pavements are designed to remain rigid and spread the load over a larger area.

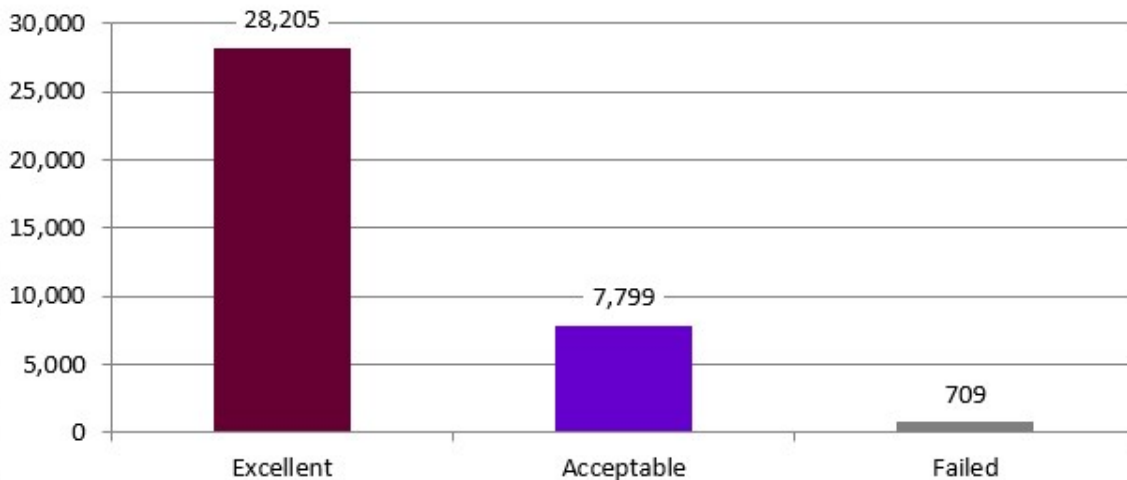
The same data as was previously included in the 2021 annual report appears here as well.

Concrete panel inspections occur on a biannual basis, with the most recent inspection being performed in 2021. Updated data is expected to be included in the 2023 annual report after new figures are collected and analyzed.

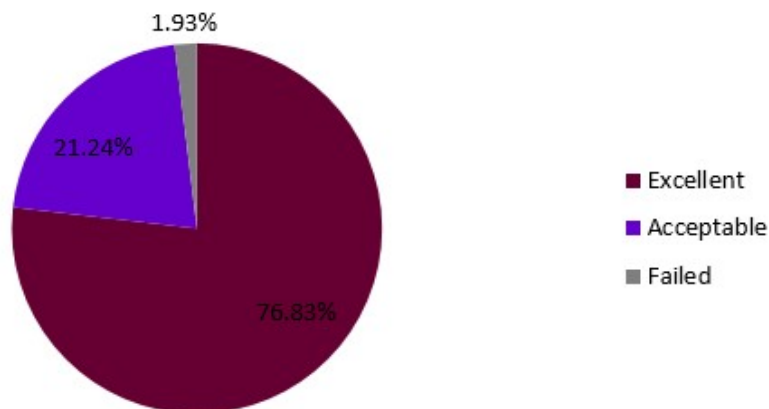
FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

2022 Concrete Panel Ratings

Concrete Pavement Panels



Percent of Total Concrete



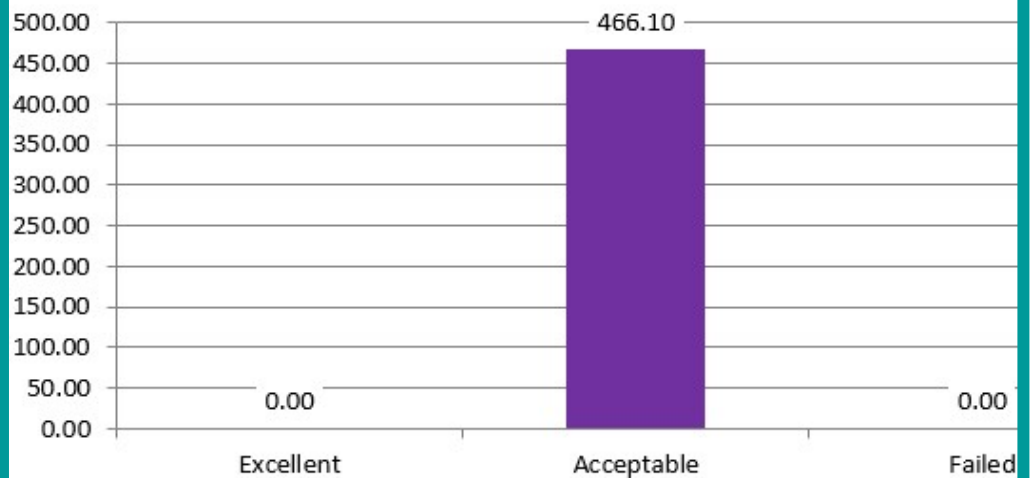
FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

2022 Gravel Roads & Limestone Chip Seal Roads

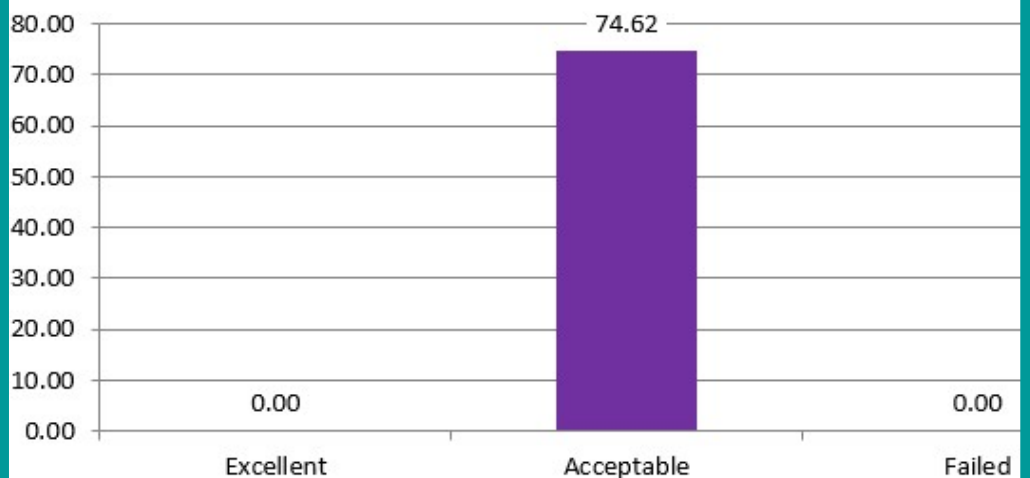
Gravel and Limestone Chip Seal roads are not inspected because their condition and rating can change weekly; therefore all of these roads are listed in the Acceptable category for ratings.



Gravel Pavement Length (In miles)



LCS Pavement Length (In miles)



FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

2022 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 2020 inspections. State inspections are performed every other year with the latest bridge inspections being performed in December of 2022. We expect to receive the new reports in February or March of 2023 and new figures will be included in the 2023 annual report.

OCI = Overall Condition Index

Excellent = a value 75 and above

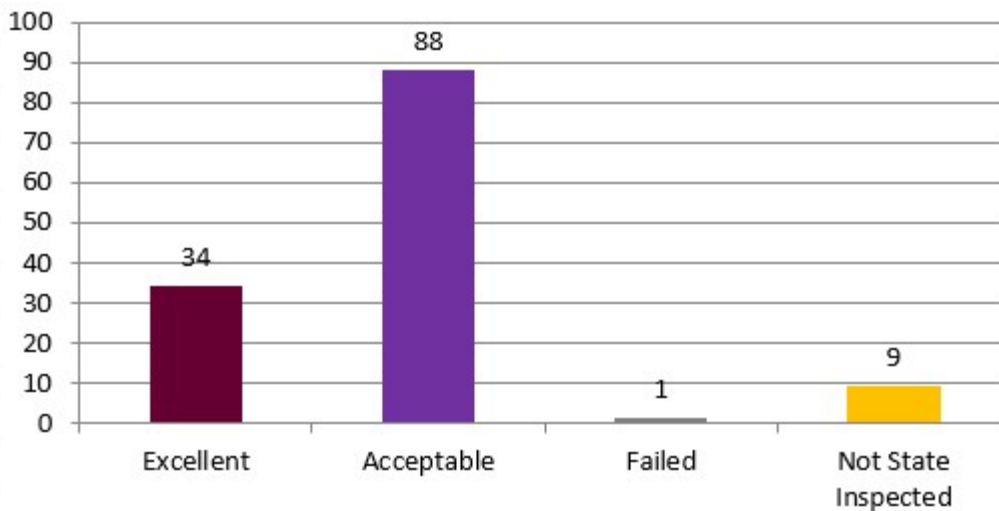
Acceptable = any value between 50 and 75

Failed = anything less than 50

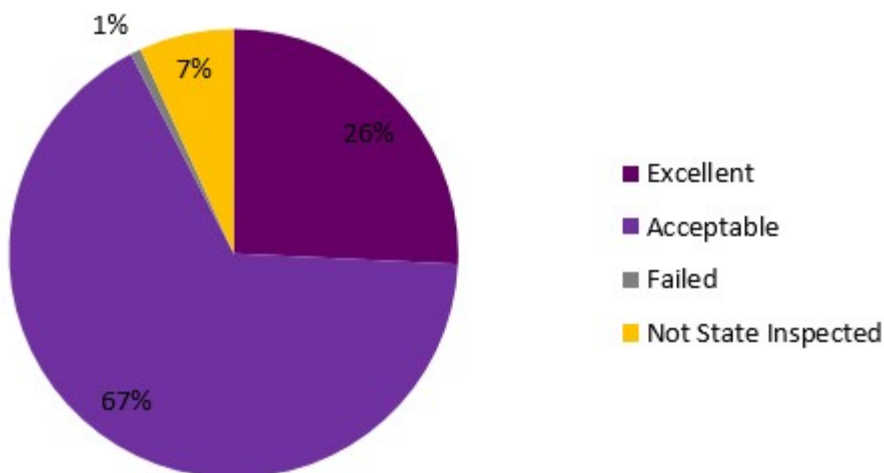
FY2022 Condition of Boone County Maintained Roads, Bridges and Culverts

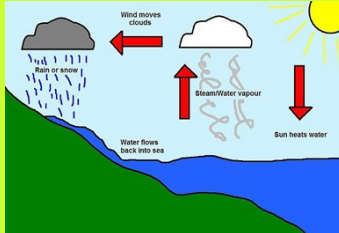
2022 Bridge Ratings

Number of Structures



Percent of Total Bridges





Additional Duties

- ♦ Surveying
- ♦ Right of Way
- ♦ Stormwater
- ♦ Sales Tax Distribution

Fiscal Year 2022

Additional Responsibilities



2022 Surveying

Assistance to County Staff

- ◆ Assisted Road and Bridge Maintenance and Operations personnel by providing a variety of surveying services and right-of-way and easement information as necessary.
 - ◆ Assembled topographic data for the preparation of plans for projects.
- ◆ Assisted right-of-way personnel by staking easements (both temporary and permanent) for reviewing proposed plans, and assisting them when meeting and negotiating with property owners on proposed projects. At times, accompanying right-of-way personnel to those meetings.
- ◆ Assisted Planning & Building Inspections Divisions with complete reviews of all plats of proposed Subdivisions and Administrative Surveys, submitting comments and suggestions to the Planning Division and notifying the surveyors of those comments and suggestions. Additionally, all descriptions for granting easements for public roadways and utilities were reviewed. (these are required when preparing many of the administrative surveys)
 - ◆ Surveys for OEM warning siren placement

Assistance to the Public

- ◆ Represented Boone County Road and Bridge at concept reviews held by the Boone County Planning Division for review of upcoming developments.
- ◆ Responded to the many requests that Boone County receives from property owners, title companies, realtors, other governmental agencies, surveyors and engineers, and others regarding existing road rights-of-way.
- ◆ Responded to inquiries for Neighborhood Improvement District's (NID). None, to date, have completed the requirements to move forward.

Additional Responsibilities

2022 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:

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. **97 Right-of-Way permits were issued and inspected in 2022.**

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. **133 Driveway permits were issued and inspected in 2022.**

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 road-sides by picking up litter along Boone County roadways. On the following page is a list of the current adoptions:.



Additional Responsibilities

2022 Right-of-Way

Adopted Road List

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

Additional Responsibilities

2022 Stormwater

Our mission is to 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 (MCM), which are expected to help significantly reduce pollutants into receiving waterbodies. These MCM's 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.

Additional Responsibilities

2022 Stormwater

Public Education and Participation Activities

Soil Health Field Day: Boone County Stormwater Management, MO Soybean Association, and MO Corn Growers Association partnered to host a soil health and cover crop field day. Topics covered included: cover crops, managed rotational grazing, and soil biodiversity. The goal of this activity was to help producers implement practices to restore soil health and ecosystem function, which reduces dependency on expensive inputs and leads to sustained profitability. One hundred fifty-eight people attended throughout the day.

Urban Riparian Corridor Workshop: Presenters discussed the area's history, life in a stream, habitat, invasive species, structure & function of a floodplain, and tree species. Sixteen people attended the workshop.

MO Soy Crops and Conservation Fall Field Day at Bay Farms: The Stormwater team worked a booth for the field day, connecting with producers and sharing information about the stormwater and Greater Bonne Femme Watershed programs. Around 60 people were active at the event.

Listening Session for Agricultural Producers: Row-crop, livestock, and specialty-crop agriculture producers were invited to participate in a group discussion about current production issues. Twenty-four producers and agency people attended.

Human Element Virtual Film: The County hosted a virtual film showing featuring the film The Human Element. The film highlights a photojournalism perspective on humanity's impact on our environment. Ninety-eight people registered to watch the film.

Human Element Interactive Panel Discussion: A live panel discussion was hosted discussing the Human Element movie and climate change on an individual and community levels. Forty-one people viewed the presentation.

Rock Bridge State Park Water festival: Boone County Stormwater participated in the 8th annual Water Festival at Rock Bridge Memorial State Park. This program served approximately 273 adults and children.

Get the scoop on The State of Missouri's updated Land Disturbance General Permit

Lunch & Learn: Sara Wright, MS4 Coordinator for the Missouri Department of Natural Resources (MDNR) led a presentation covering the MDNR Land Disturbance General Permit, effective 2/8/2022. Twenty-eight people attended the virtual session hosted by Boone County.

Additional Responsibilities

2022 Stormwater

Public Education and Participation

Stormwater Best Management Practices (BMP) Inspection Training: Boone County and the City of Columbia co-hosted this field trip. The goal of this session was for attendees to learn how to put together thorough and accurate bioretention and wet basin BMP annual inspection reports for the City of Columbia and Boone County, and gain a basic understanding of maintenance requirements for these BMPs. Twenty-seven people were in attendance.

Southern Boone Area YMCA: Stormwater Education's partnership with the YMCA after-school program series with six occurrences. The monthly series included introducing watersheds, using the Enviroscope, groundwater, parts of a stream, and bridge design and the bridge's impact on streams. Forty-eight 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:

- ♦ Atelier Elementary- 19 Students
- ♦ Grant Elementary - 17 Students
- ♦ Benton Elementary 5th Grade - 45 Students
- ♦ Benton Elementary 4th Grade - 53 Students

MIZZOU Journalism Field Day: The hydrologist and educator assisted the Missouri Department of Natural Resources in an education stream monitoring program to connect journalism students with water quality, stream ecosystems, and water quality monitoring. Ten students were in attendance

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. Twelve students participated.

Mizzou's Honor College Guest Lecture: The Stormwater Educator was a guest lecturer for the Honor's College, discussing human impacts on the environment and how those impacts affect people at different scales. There were 15 students in the program.

Additional Responsibilities

2022 Stormwater

Public Education and Participation

Day at the Stream - Wild Haven Nature Area: The Columbia Audubon Society and the stormwater team hosted a day at the stream for the Centralia 6th graders. The students had an introduction to birding, studying life in a stream, making seed bombs, and creating nature journals. Ninety-two students attended.

Centralia 6th, 7th, & 8th Grade: The Stormwater Educator aided the Centralia 6th grade science teacher with their watershed unit. The stream table was used to teach students about stream dynamics, erosion, deposition, culverts, and dams. The students completed a week-long activity discussing land development and its impact on streams and property. Two hundred seventy-three students participated throughout the week.

Stream Scientists and 3M Wetland Tour: The event occurred in the fall and was targeted at middle school students. Eight students and families were in attendance.

Build a Park: The City of Columbia and County Stormwater Educators hosted an event focused on connecting open spaces and people to the environment. Twenty-five elementary-age students were in attendance.

STEM Alliance Engineering Contest: The Columbia STEM Alliance, Columbia Office of Sustainability, Columbia Public Schools, and Boone County Stormwater worked together to host an engineering contest. Classes were asked to study how snow melts and create a device that would keep snow from melting. The students designed a device and classroom winners were entered into a district contest where the devices were tested. Eight hundred fifteen students took part.

STEM Summer program- The Art of Streams and Litter: Middle school students learned about local waterways, participated in a stream cleanup, and redesigned collected litter into art, turning trash into treasure. Nine students were in attendance.

STEMettes Summer program- The Art of the Water Cycle: Middle school students were invited to create a piece of artwork that represents one or more aspects of the water cycle. Seven students were in attendance.

Missouri River Adventure Camp: The Stormwater Educator presented to students about stream health, stream function, and stream ecosystems. Forty-six middle schoolers attended the program.

Additional Responsibilities

2022 Stormwater

Public Education and Participation

Southern Boone 2nd Grade: The Stormwater Educator created a video presentation about watersheds and stormwater pollution. After watching the video, students participated in an interactive activity showing how humans affect waterways and what can be done to improve water quality. One hundred eighty students took part.

Centralia Intermediate 5th Grade: The Stormwater Educator created a video presentation about watersheds and stormwater pollution. Students had to develop a solution for the pollution and participated in an interactive activity showing how humans affect waterways and what can be done to improve water quality. Eighty-two students participated.

Guest Panelist: The County and City of Columbia Stormwater Educators were guest panelists for Benton's 2nd and 5th-grade classes. Students presented research projects focusing on the school's bees and invasive species. Eighty students participated.

Elementary STEM Night: The Stormwater Educator used the Enviroscape to demonstrate different sources of pollution and how precipitation carries them to waterways, and demonstrated actions that can be taken to prevent pollution. Ninety-two people visited the booth

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:

- ♦ Beulah Ralph Connor Cave - 60 students participated
- ♦ Shephard Elementary - 143 students participated
- ♦ Cedar Ridge - 120 students participated
- ♦ CarFax - 44 employees attended

Wetland Tour : Elementary students toured the 3M wetland and participated in a scavenger hunt. Seventy students attended.

Rock Bridge High School- Three Creeks Stream Monitoring: The County's hydrologist and educator led the Rock Bridge High School Environmental Club in a monitoring event to study a tributary stream in Three Creeks Park. The group indicated that they would like to adopt the stream. Five students were in attendance.

Two Mile Prairie School: The Stormwater Educator was a guest presenter, discussing agricultural impacts on streams and soil health. Two hundred eighty students were in attendance.

Additional Responsibilities

2022 Stormwater

Public Education and Participation

MWEA: The Urban Hydrologist and Geosyntec Consultants gave a presentation about the Greater Bonne Femme Watershed Project.



Additional Responsibilities

2022 Stormwater

Public Involvement Opportunities

- ♦ 1 - Rock Bridge Memorial State Park Water Quality Monitoring Events
- ♦ Storm Drain Marking Events
- ♦ 3 - Greater Bonne Femme Watershed Bioretention Basins Workdays
- ♦ 2 - STEM Art Competitions

Training Opportunities for County Staff

MDC Stream Workshop: The Stormwater Educator attended this three day workshop hosted by the Missouri Department of Conservation, learning how to understand and manage instream and riparian habitats in Missouri.

Certified Interpretive Guide (NAI): The Stormwater Educator received her certification as an interpretive guide. The Interpretive Guide program combines both the theoretical foundations of the profession with practical skills in delivering quality interpretive programming to visitors.

Continuous Living Cover for Water Quality Workshop: This workshop included presentations covering riparian and upland buffers, cover crops, and other perennial agroforestry plantings and benefits to ecological and economic outcomes.

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

US EPA Watershed Academy Webcast: The Stormwater Educator attended the webcast, which focused on addressing and managing plastic pollution.

Additional Responsibilities

2022 Stormwater

Training Opportunities for County Staff

Departmental Stormwater Fact Sheet: Facilities and Road & Bridge staff received a factsheet about proper stormwater practices and how they can have a positive impact on waterways.

Building Inspector and County Planner Training: Staff received training on how to conduct land disturbance inspections and County sinkhole regulations.

Climate Intersections Conference: The Urban Hydrologist attended a weeklong conference in Duluth, MN to learn how water professionals can work with local communities effectively to foster resilience and equity in a changing climate.

River Soundings Workshop: Stormwater staff attended this workshop in St. Charles, MO, which included panel discussions on issues related to big rivers and the Missouri River in particular.

MWEA Fall Conference: The Urban Hydrologist attended this one-day conference covering wastewater and stormwater issues.

Certified Professional In Stormwater Management: The Stormwater Coordinator completed the CPMSM course and test in late 2021 and received her certification in 2022. this certification is intended for staff with experience in and responsibilities for coordination of National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) stormwater quality programs.

Webinars: Staff attended approximately 35 webinars.

Additional Responsibilities

2022 Stormwater

Develop/Distribute Educational Materials

- ♦ Boone County Stormwater Website: www.showmeboone.com/stormwater
- ♦ Bonne Femme Watershed Website: www.cavewatershed.org
- ♦ Hinkson Creek Collaborative Adaptive Management Website: www.helpthehinkson.org
- ♦ Stormwater Newsletters
<https://www.showmeboone.com/stormwater/education/newsletters.asp>
- ♦ Boone County Stormwater Facebook Page:
<https://www.facebook.com/boonecountymostormwater>
- ♦ Boone County Stormwater YouTube Channel:
https://www.youtube.com/channel/UCrd_RaCJ73N442kfWGfalFA
- ♦ Litter Prevention Website: <https://sites.google.com/como.gov/sustain-edu-litter-stem/litter-prevention>
- ♦ The Water Cycle Website: <https://sites.google.com/como.gov/sustain-edu-water-cycle-stem/home>
- ♦ Facilities Maintenance and Road & Bridge Stormwater Stewardship Fact Sheets
- ♦ Traveling “Who Polluted the Stream” Kit
- ♦ “Macroinvertebrate Stream Monitoring” in a Classroom
- ♦ Bonne Femme Watershed signs were installed and maintained in the watershed to help citizens create a link from the roads to the waterways.



Additional Responsibilities

2022 Stormwater

Monitoring and Assessments

Lakes of Missouri Volunteer Program (LMVP) Sampling

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 six (6) 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.

Boone County Stream Team

The Boone County Stream Team hosted a water quality monitoring blitz at Rock Bridge Memorial State Park in the Spring of 2022. 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.



Additional Responsibilities

2022 Stormwater

Monitoring and Assessments

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 Environmental Protection Agency, through Missouri Department of Natural Resources 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. This year we asked for, and were granted another time extension to July 31, 2022.

- ♦ **Technical Advisory Committee** – The committee met six (6) times.
- ♦ **Steering Committee** – The committee met two (2) 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.
 - ◇ Quarterly stormwater sampling was completed this year.
 - ◇ E. coli testing was completed in 2020.
- ♦ **Cooperative Stream Investigation Project** – This project was completed in 2018. A final report from the Missouri department of Natural Resources Coordinator was received in May 2019.
- ♦ **Demonstration Project** – Seth Paul Excavating rehabbed and mulched the Meyer Industrial Dr. bioretention basins in Fall 2019. In June 2020, volunteers helped replant the bioretention basins with native grasses and flowers. More grasses were planted in October 2020. In 2021, an educational sign was installed and a dedication ceremony was held.
- ♦ **Draft Watershed-based 9-element Plan** – A final draft of the 9-element plan was submitted to the Department of Natural Resources and the Environmental Protection Agency in July 2022. We expect a final approved version in 2023.

Additional Responsibilities

2022 Stormwater

Monitoring and Assessments

Hinkson Creek Collaborative Adaptive Management

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 four (4) times.
- ♦ **Action Team** - The Action Team met eleven (11) times.
- ♦ **Science Team** - The Science Team met nine (9) times.
- ♦ **Riparian Subcommittee** - The Riparian Subcommittee met seven (7) times.
- ♦ **Chloride Task Force** - The Chloride Task Force met four (4) times.
- ♦ **Missouri River Backwater Effects Evaluation** – 100% complete.
- ♦ **Habitat Assessment** – Physical Assessment is 100% complete. Spatial analysis is ongoing.
- ♦ **Fine Sediment Mapping** – 100% done. Data analysis is pending.
- ♦ **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.
- ♦ **Macroinvertebrate Study** – 100% complete.
- ♦ **Forum Nature Area Level Spreader** – Construction and monitoring are 100% Complete. Sign design is ongoing.
- ♦ **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 done in 2022. We expect to have a full report on the results of the synoptic sampling in the spring of 2023.

Additional Responsibilities

2022 Stormwater

Monitoring and Assessments

Hinkson Creek Collaborative Adaptive Management

- ♦ **Lincoln University Gauging Stations** – Dr. Zeiger has installed stage samplers at Dr. Hubbard's old gauging station sites along Hinkson Creek in 2021. Additional sensors for conductivity will be added at a later time.
- ♦ **USGS Comprehensive Chemical Sampling** – This project was approved for funding in 2021. The United States Geological Survey/Columbia Environmental Research Center collected water and sediment samples from Hinson Creek and major tributaries in the spring and fall of 2022. Samples will be analyzed for the presence of various chemical compounds that may be contributing to the impairment of aquatic life communities in Hinson Creek. We expect to have a full report by the fall of 2023.
- ♦ **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 consists 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. Eight monthly sessions are expected to occur.

Joint MS4 Coordination Meetings

Stormwater staff from Boone County, City of Columbia, and University of Missouri meets each month to coordinate and work on stormwater activities. This year the committee met ten (10) times.



Additional Responsibilities

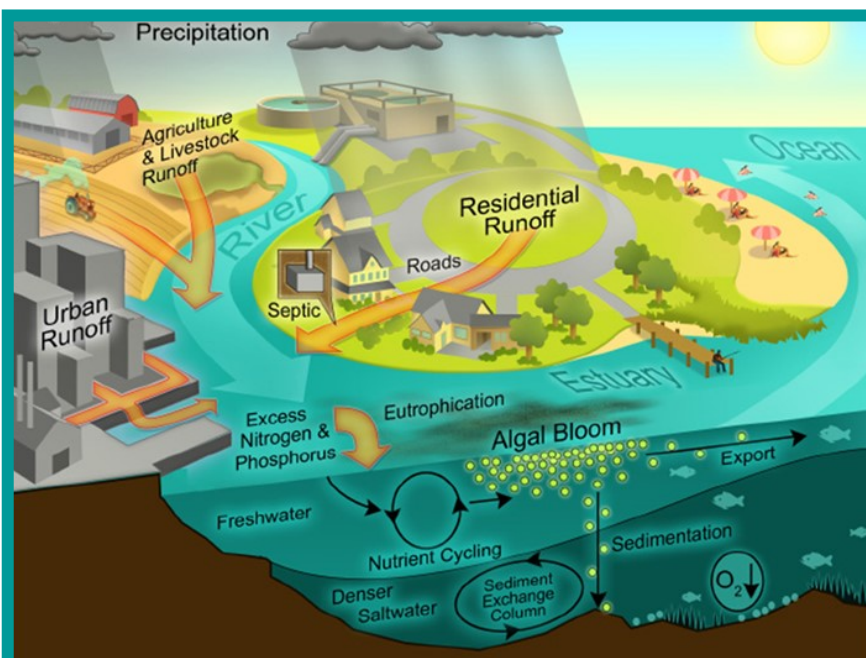
2022 Stormwater

Monitoring and Assessments

Countywide Chemical Sampling Project

The Missouri Department of Agriculture awarded funding to Boone County in partnership with the University of Missouri to evaluate concentration and risk 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. Health risks of the detected compounds will be modeled. Grab samples will be collected from streams around Boone County in 2022-2023. Sample locations were chosen based on land use characteristics, stream order, accessibility, and other watershed characteristics. Water samples will be analyzed by the bioanalytical laboratory at the University of Missouri.

After analysis each sampling season, Boone county will post the sampling sites and data on an interactive map (under development) at www.showmeboone.com/stormwater in the spring of 2023.



Additional Responsibilities

2022 Stormwater

MS4 Compliance

STORMWATER PROGRAM COMPLIANCE

	Storm- water Preven- tion Plans Reviewed	Pre- Applica- tion Meetings Held	Land Disturb- ance Permits Issued	Storm- water Discharge Permits Issued	Pre- construc- tion Meetings Held	Site Inspec- tions Conduct- ed	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

Additional Responsibilities

City of Ashland 2022 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:

2022

Narrative for use of funds received

The Boone County Road and Bridge Repair Fund provided the City of Ashland with \$207,037.99 in October 2022. This is a \$47,004.06 increase from the amount provided in 2021 (\$160,033.23). The 2022 funds have been encumbered for the Perry Avenue Extension Project, which will soon be going out to bid. So far, \$60,905.33 of these funds have been expended on this project.

The Perry Avenue Extension is part of the Ranken Technical College Project which will receive additional funding from the Missouri Dept. of Transportation and the Economic Development Administration. This portion of the Ranken project had a total budget of approximately of \$805,000.00.

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. We continue to see older streets throughout town, particularly those with concrete roadways, that experience faster deterioration than expected. Ashland Public Works has implemented a program of overlaying these streets with asphalt. Experience has shown that an asphalt driving surface with concrete base provides for roads that are easier and more cost effective to maintain. This program will continue well into the future.

Ashland continues to experience new growth each year. New residential and commercial development projects have led to increases in roadway miles annually for the last several years. These new streets are currently in great condition, but do require periodic maintenance. As with any growing community, we are experiencing significant increases in commercial and residential traffic, which leads to faster deterioration of our roadways.

Additional Responsibilities

City of Ashland 2022 Annual Report

Projects with descriptions _

The following project will be partially funded with the 2022 Boone County Road and Bridge Repair Fund:

Perry Avenue Extension

Total Project Cost: Approximately \$805,000.00

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 between 27 feet to 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.

ROAD & BRIDGE ANNUAL SUMMARY REPORT

Page 2

Report Summary

The City of Ashland has expended approximately 30% of the funds received in 2022 thus far on the Perry Avenue Extension Project. The remaining funds will be expended in the next several months, once construction actually begins. This project will help improve the city's transportation infrastructure, increase economic development and impact, and enhance public safety by eliminataion a dangerous intersection.

The funds received from the Boone County Road and Bridge Repair Fund are vital to successful maintenance, repairs, and construction of roads and bridges with the City of Ashland. These funds, when coupled with income collected through our local transportation tax, allow the City of Ashland to provide the public with safe roads and bridges throughout our city.

Additional Responsibilities

City of Ashland 2022 Annual Report

The City of Ashland continues to experience significant growth of both population and city footprint. At any given time, there are multiple commercial and residential developments underway. This growth is not expected to diminish anytime soon. Accordingly, we are seeing increases in traffic, both commercial and residential throughout the city. This sustained growth and increased traffic is leading to deterioration of roadways at a much faster rate than the city has experienced in the past. We are also increasing the number of roadway miles in town rapidly by adding these developments.

All of these issues lead to increases in annual roadway maintenance costs. As Ashland continues to grow, additional funding will be required each year to keep our streets in acceptable condition. Without the funds provided from the Boone County Road and Bridge Repair Fund, we would be forced to decrease the amount of projects and repairs significantly. This cooperative agreement is highly beneficial for both Ashland residents and Boone County residents, as Ashland is the hub of Southern Boone County. It allows for the timely completion of major road repairs, and leaves local transportation funding available for routine maintenance of city streets and smaller scale projects. City and county residents are able to easily recognize that both the City of Ashland and Boone County place a high priority on providing a safe and well-maintained transportation system.

The City of Ashland looks forward to continued cooperation between ourselves and the County of Boone to provide exceptional services to our taxpayers.

TOTAL

\$805,000.00

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.

Signature

1/30/2023

Date

Public Works Director

Title

Additional Responsibilities

City of Centralia 2022 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 Centralia

Reporting on Calendar Year: 2022

Narrative for use of funds received The funds received went toward the annual overlay of streets which is detailed on the attached sheet, as well as the operation of the Street Dept. In addition to road maintenance, we repaired streets around the City including asphalt overlay of the second of two gravel roads inside the city limits.

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

The City of Centralia conducts an annual review of the 37.55 miles of streets under our control. Each street is scored based on its condition, using a scale of 1-10, with 10 being a functionally new road.

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

Projects with descriptions _See attached information. This report concerns the right-most column, Calendar year 2022. The other numbers are supplied for comparison.

City of Centralia 2022 Annual Report

Page 2

[illegible]

\$705,463

Tara Train
Signature

12/15/2022

Date _____

City Administrator

Title

Tara Strain

573-682-2139

Printed Name _____

Day Time Phone number

56

Additional Responsibilities

City of Centralia 2022 Annual Report

PUBLIC WORKS - HIGHWAYS AND STREETS									
ACCOUNT NUMBER	ACCOUNT TITLE	Calendar 2022	FY2022-23 BUDGET	Calendar 2021	FY2021-22 BUDGET	FY2021-22 AUDITED	Calendar 2020	FY2020-21 BUDGET	FY2020-21 AUDITED
PLANNING & ADMIN									
01-311-6001	SALARIES & WAGES	\$ 117,280	\$ 160,641	103,705	105,154	133,608	8,321	8,378	10,092
01-311-6002	OVERTIME WAGES	\$ 4,212	\$ 2,933	3,388	4,208	11,686	150	1,000	1,079
01-311-6010	ACCURIED EMPLOYEE BENEFITS	\$ 70,934	\$ 110,096	68,143	74,127	88,725	6,313	7,075	6,688
01-311-6110	PRINTING, PUBLICATION	\$ -	\$ -	-	50	-	48	350	48
01-311-6120	DUES/MEMBERSHIP/UTION	\$ 210	\$ 750	318	150	318	-	150	-
01-311-6143	PROF. SERV. ARCHT. ENG.	\$ -	\$ 2,500	117	2,500	117	-	5,000	-
01-311-6150	CONTRACT LABOR	\$ 1,223	\$ 1,300	1,571	1,300	1,579	1,486	1,300	1,486
01-311-6170	MAINT. AGREEMENTS, LEASE	\$ 133	\$ 3,025	1,284	1,300	1,386	1,480	1,000	1,266
01-311-6180	MEALS, LODGING, TRAVEL	\$ -	\$ 750	-	600	-	-	1,100	-
01-311-6200	OFFICE SUP. FURNITURE	\$ -	\$ -	-	-	-	-	-	-
01-311-6210	OPERATING SUPPLIES	\$ 60	\$ 250	210	450	210	351	350	157
01-311-6490	EQUIPMENT USE CHARGE	\$ 4,057	\$ 7,123	7,225	7,000	7,194	6,743	7,000	6,677
01-311-6906	COMMUNITY DEV. BLOCK GRANT	\$ -	\$ -	-	-	-	1,000	-	-
01-311-5500	MISC CAPITAL	\$ -	\$ -	-	-	-	-	-	-
SUBTOTAL		\$ 139,516	\$ 292,481	\$ 185,015	\$ 197,809	\$ 244,823	\$ 26,221	\$ 32,872	\$ 32,872
STREET MAINTENANCE									
01-312-5502	VEHICLES	\$ 40,969	\$ 40,569	40,959	41,000	40,569	-	41,000	-
01-312-5508	OTHER EQUIPMENT	\$ -	\$ 30,000	-	4,200	-	-	-	-
01-312-5509	MISC. CAPITAL	\$ 5,990	\$ 10,000	-	7,000	-	-	-	-
01-312-6001	SALARIES AND WAGES	\$ -	\$ -	2,650	-	-	22,758	17,872	21,133
01-312-6002	OVERTIME WAGES	\$ -	\$ -	-	-	-	47	1,250	147
01-312-6010	ACCURIED EMPLOYEE BENEFITS	\$ -	\$ -	1,528	-	-	15,246	13,028	13,970
01-312-6110	PRINTING, PUBLICATIONS, AD	\$ -	\$ -	-	50	-	-	100	-
01-312-6132	UTILITIES-NATURAL GAS, PR	\$ 272	\$ 443	431	400	431	540	400	350
01-312-6150	CONTRACT LABOR	\$ 265	\$ 1,070	875	3,350	1,060	1,843	5,000	1,983
01-312-6160	REPAIR SERVICE	\$ -	\$ -	-	300	-	46	300	46
01-312-6170	MAINT. AGREEMENTS, LEASES	\$ -	\$ -	-	-	-	-	-	-
01-312-6190	INSURANCE	\$ 34,818	\$ 12,475	54,115	11,100	11,516	1,059	-	5,660
01-312-6210	OPERATING SUPPLIES	\$ 25,333	\$ 50,000	55,000	32,000	39,018	33,812	25,000	25,000
01-312-6220	TOOLS/SMALL EQUIPMENT	\$ 169	\$ 500	401	150	401	122	300	122
01-312-6250	EQUIPMENT RENTAL	\$ -	\$ -	-	750	-	-	1,000	-
01-312-6490	EQUIPMENT USE CHARGES	\$ 24,485	\$ 43,210	-	10,000	42,940	101,008	30,000	13,478
01-312-6901	MISCELLANEOUS	\$ -	\$ -	-	-	-	115	-	115
SUBTOTAL		\$ 112,307	\$ 186,869	\$ 77,970	\$ 110,450	\$ 186,397	\$ 176,390	\$ 135,280	\$ 135,280
ALLEY MAINTENANCE									
01-313-6001	SALARIES AND WAGES	\$ -	\$ -	22	-	-	1,161	1,619	428
01-313-6002	OVERTIME WAGES	\$ -	\$ -	-	-	-	-	445	-
01-313-6010	ACCURIED EMPLOYEE BENEFITS	\$ -	\$ -	17	-	-	545	1,328	326
01-313-6210	OPERATING SUPPLIES	\$ -	\$ -	-	1,000	-	1,000	1,000	-
01-313-6490	EQUIPMENT RENTAL	\$ -	\$ -	-	-	-	-	-	-
01-313-6490	EQUIPMENT USE CHARGES	\$ 1,764	\$ 2,450	2,319	2,250	2,315	2,673	2,500	2,628
SUBTOTAL		\$ 1,764	\$ 2,450	\$ 2,339	\$ 3,750	\$ 2,315	\$ 5,381	\$ 6,892	\$ 6,892
SIDEWALK & PARKING LOT MAINTENANCE									
01-314-6001	SALARIES & WAGES	\$ -	\$ -	309	-	-	7,122	1,101	7,931
01-314-6002	OVERTIME WAGES	\$ -	\$ -	-	-	-	-	-	51
01-314-6010	ACCURIED EMPLOYEE BENEFITS	\$ -	\$ -	526	-	-	5,179	757	5,700
01-314-6110	PRINTING, ADV. PUBLICATION	\$ -	\$ -	-	-	-	4	200	-
01-314-6143	PROF. SERV. ARCHT. ENG. SURV	\$ -	\$ 2,500	4,000	48,000	-	-	1,000	8,000
01-314-6150	CONTRACT LABOR	\$ -	\$ -	-	1,000	-	-	1,000	-
01-314-6160	REPAIR SERVICE	\$ -	\$ -	-	-	-	-	100	-
01-314-6170	MAINTENANCE AGREEMENTS & LEASES	\$ -	\$ -	-	-	-	-	200	-
01-314-6190	INSURANCE	\$ -	\$ -	-	-	-	-	-	-
01-314-6201	OFFICE SUPPLIES	\$ -	\$ -	-	-	-	-	100	-
01-314-6210	OPERATING SUPPLIES	\$ 19,239	\$ 6,500	6,259	6,500	3,716	7,343	6,500	8,797

Additional Responsibilities

City of Centralia 2022 Annual Report

01-319-6140	REPAIR SERVICE	\$	-	\$	-	-	-	50	-	50	-	-	
01-319-6170	MAINT AGREEMENTS & LEASES	\$	-	\$	-	-	-	-	-	-	-	-	
01-319-6210	OPERATING SUPPLIES	\$	-	\$	2,850	-	2,850	500	2,460	34	500	21	
01-319-6490	EQUIPMENT USE CHARGE	\$	615	\$	948	876	1,000	949	84,096	1,119	1,000	1,028	
	SUBTOTAL	\$	615	\$	3,598	\$	8,512	\$	86,096	\$	11,922	\$	11,922
	TOTAL	\$	367,640	\$	775,197	\$	370,508	\$	527,759	\$	405,709	\$	501,459
CAPITAL SUMMARY													
29-800-5509	CAPITAL EXPENDITURES	\$	917,824	\$	362,085	\$	306,783	\$	256,650	\$	331,519	\$	256,650
	TOTAL ALL EXPENDITURES	\$	705,463	\$	1,137,282	\$	677,750.95	\$	824,409.00	\$	837,838.00	\$	296,650.00
												\$	795,783.36
REVENUES													
29-041-4020	TRANSPORTATION SALES TAX	\$	162,279	\$	251,330	\$	247,484	\$	233,288	\$	265,200	\$	200,000
29-043-4330	CDMG GRANT REVENUE	\$	-	\$	-	\$	-	-	-	-	-	-	-
29-043-4350	COUNTY GRANT REVENUE	\$	97,827	\$	71,030	\$	73,437	\$	58,285	\$	73,437	\$	20,000
01-043-4304	COUNTY ROAD & BRIDGE	\$	77,138	\$	65,070	\$	66,762	\$	65,697	\$	66,762	\$	62,500
	TOTAL ALL REVENUES	\$	337,344	\$	387,410	\$	379,663.03	\$	357,270.00	\$	383,399.00	\$	332,500.00
												\$	366,781.20

Additional Responsibilities

City of Centralia 2022 Annual Report

CAPITAL IMPROVEMENT PROJECTS

FISCAL YEAR 2022 - 2023

ASPHALT OVERLAY - PROJECTED EXPENDITURES

Street	Segment	Width	Length	Depth in Inches	Estimated Tons of Asphalt / Cub. Yds Concrete	Estimates	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Jefferson St.	Railroad to Cox	38	3800	2	1850.65	165,900.00	165,900			
Wilson St	Hickman to Allen	42	292	2	157.18	13,360.05	13,360			
Campbell St	Allen to Central	23	673	2	198.38	16,862.38	16,862			
Sims St	Maple to Howard Burton	17	280	2	61.00	5,185.41	5,185			
Stone St	Southgate to Poage	16	691	2	141.70	12,044.09	12,044			
Maple St	Booth to South	16	1426	2	292.41	24,855.09	24,855			
January St	Wilson to Wilson	19	697	2	169.72	14,426.54	14,427			
Rollins St	Gano Ch to Cox	22	1621	2	457.05	38,849.15	38,849			
Bruton St	Allen to Denton	20	1476	2	378.33	32,158.24	32,158			
Sidewalk on Booth	Jefferson St to Parkview Ct	5	1860	4	0.00	16,833.00	16,833			
Sidewalk on Columbia	At Intermediate School	5	615	4	0.00	5,565.75	5,565			
Sidewalk on Cox St	Jefferson to Allen	5	1773	4	0.00	16,045.65	16,046			
Southgate St	Allen to Columbia	20	965	2	247.35	21,024.86		21,235		
Randolph Road	From Hwy 22 to Remington	38		2	0.00	350,000.00		353,500		
Bradford St	Sneed-Sims	20	1405	2	360.13	30,611.33		30,917		
Collier St	Lakeview to Sims	36	636	2	293.44	24,942.24		25,192		
Collier St	Railroad-Singleton	22	422	2	118.98	10,113.72		10,215		
Poage St.	(Lee to Jefferson)	27	1300	2	448.85	38,236.93		38,619		
Walnut St	Rodemyre to Booth	19	1130	2	275.16	23,388.80		23,623		
Brick St	Pratt to Lee	16	323	2	66.23	5,629.87		5,686		
Jenkins	Barnes to Sneed	35	423	2	189.74	16,128.14		16,289		
Pool St	Cox to Lakeview	18	929	2	214.31	18,216.46		18,399		
Singleton St	Rollins to Jefferson	55	1073	2	756.34	64,289.24		64,932		
Central Street	Gano Ch to Central cul-de-sac	29	738	2	274.29	23,314.72			23,781	
Cook, Leach, Richey & Rocky (Tidball Tr. Pk.)		18	2354	2	543.05	46,158.83			47,082	
Porter	Southland to Tarr	20	366	2	93.81	7,974.20			8,134	
Singleton St	200' E Collier-Jefferson	51	578	2	377.79	32,112.48			32,755	
Rollins St	Barnes-Sneed	37	415	2	196.79	16,727.29			17,062	
Hickman (100 N, part)		28	176	2	63.16	5,368.42			5,476	
Lakeview	Jefferson to Rollins	32	1413	2	579.49	49,257.01				50,735
Central Street	Lakeview to Sims	24	645	2	198.39	16,863.47				17,369
Bradford St	Singleton to Sneed	19	275	2	66.96	5,691.96				5,863
Barnes St	Allen to Rollins	38	380	2	185.06	15,730.52				16,202
Barnes St	Sneed to Collier	22	276	2	77.82	6,614.66				6,813
Barnes St	Sneed to Jenkins	45	263	2	151.68	12,892.71				13,279
Barnes St	Sneed to Jenkins	25	160	2	51.26	4,357.48				4,488

Cost Totals	\$ 1,207,731	\$ 362,085	\$ 608,607	\$ 134,289	\$ 114,750
Total Tons	9537.55	3705.43	2971.55	1548.89	1310.68
Less Contingency Reserve / Grant Funds	\$ -	\$ -			
Total from Transportation Sales Tax Fund	\$ 362,085	\$ 608,607	\$ 134,289	\$ 114,750	

The four highlighted streets were removed due to asphalt going up in price since the time of the bid. TS

Additional Responsibilities

City of Centralia Special Road District 2022 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:
2022

Narrative for use of funds received

Routine maintenance of roadways within the District including hauling gravel and blading of unpaved roads, repairing paved roads, replacing road culverts, cutting brush, mowing right of way as needed. Repairing and or 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 about 5% of the blacktops needing to be overlaid.

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

1. As of 11/30/2022 Hauled \$47,470.66 of rock on unpaved roads.
2. Spent \$27,432.65 on pavement maintenance
3. Replaced culverts totaling \$400.00
4. Replaced one dump truck at a cost of \$204,113.76

City of Centralia Special Road District 2022 Annual Report

Page 2

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279,417.07

Signature Anthony Kendrick

12/11/2022
Date

Treasurer
Title

Anthony Kendrick
Printed Name

573-881-2169
Day Time Phone number

62

Additional Responsibilities

City of Columbia 2022 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: 2022

Narrative for use of funds received The City of Columbia will be using the funds for major maintenance on Walnut from College to Old 63, maintenance of Rangeline: Rogers to Wilkes, and construction of Forum Blvd: Chapel Hill to Woodrail.

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

The City of Columbia maintains 1,430 lane miles of streets and 43 bridges/structures that span a minimum of 20 feet. The City's street network is currently inspected on a 3 cycle, which means that 1/3 of the streets within the City are inspected every year using the PASER rating system. The City's current overall average PASER rating is a 6.70. The City's 43 bridges and structures are inspected by MoDOT and City staff every 2 years. Of the 43 structures, 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 _Major Maintenance-Walnut from College to Old 63: Design includes reconstruction of pavement, curb and gutter, sidewalk, and driveway approaches in various locations along Walnut Street between College Avenue and Old Highway 63. The project also includes an asphalt overlay along the entire length of the project.

Rangeline: Rogers to Wilkes: Mill and overlay of Rangeline Street from Rogers Street to Wilkes Blvd to improve pavement condition.

Forum Blvd: Chapel Hill to Woodrail: This project includes improvements along Forum Boulevard between Chapel Hill Road and Woodrail Avenue. The project includes widening of Forum Blvd to five (5) 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.

City of Columbia 2022 Annual Report

Page 2

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\$2,225,000.00

Signature

Date _____

Additional Responsibilities

City of Hallsville 2022 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, 2021 - June 30, 2022

Narrative for use of funds received The Road and Bridge Grant funding was used for continuing concrete road repair in Meadows Ledge Subdivision by the City's Public Works Department, some curb repair, to fill potholes around the City with asphalt, and for the purchase of speed humps in Douglas Pointe Subdivision. The speed humps are a test program.

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

Overall the condition 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 2020/2021 was \$107,807.35. Funds were used for working on the concrete roads in Meadows Ledge - \$3,594.17; asphalt to fill potholes - \$192.60; gravel to repair the road that goes out to the sewer lagoon - \$666.52; two speed humps in Douglas Pointe - \$4,480.00. With the grant funding received in 2021, this left an ending balance of \$107,807.35. The City is near completion on the comprehensive plan which will provide a direction on the need for roads and/or road repairs.

City of Hallsville 2022 Annual Report

Page 2

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is a vertical margin line on the left side, creating a narrow left margin. The paper appears to be from a notebook or a standard ruled sheet of paper.

\$8,933.29


Signature

Date _____

Title

573-696-3885

Day Time Phone number

Additional Responsibilities

Town of Harrisburg 2022 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:

Town of Harrisburg

Reporting on Calendar Year:

2021

Narrative for use of funds received

2016 through 2019 + part of 2020 (\$1519.59) funds were used for Craigview Overlay. Balance of 2020 + 2021 Funds will be used as described in the next section

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

Waiting for completion of Timberlake subdivision to begin paving Hughes Rd. Also plan to do work on Eaton Rd + Depot Street.

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

Projects with descriptions

2016 through 2019 + \$1519.59 + 2020 = \$51,170 Craigview Overlay

Additional Responsibilities

Town of Harrisburg 2022 Annual Report

2020 Balance \$11,061.95 (12581.54 - 1519.59)

2021 Total Funds \$12,626.46

2020 through 2021 funds are being accumulated
for the future projects mentioned above.

Additional Responsibilities

Town of Harrisburg 2022 Annual Report

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

Henry K. Fisher, III

Signature
e

12/15/22
Date

Henry K. Fisher, III

Title CFA

Printed Name

Day Time Phone number 573-881-9900

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

Additional Responsibilities

Village of Hartsburg 2022 Annual Report

No report received from the Village of Hartsburg at time of printing

Additional Responsibilities

City of Huntsdale 2022 Annual Report

No report received from the City of Huntsdale at time of
printing

Additional Responsibilities

City of McBaine 2022 Annual Report

No report received from the City of McBaine at time of printing

Additional Responsibilities

Village of Pierpont 2022 Annual Report

No report received from the Village of Pierpont at time of
printing

Additional Responsibilities

City of Rocheport 2022 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:

2021 / 2022

Narrative for use of funds received

9th Dike Street - storm sewer
in process

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

Road Rock for Billing

holes on gravel roads

throughout city of Rocheport

storm sewer in process

funding reserved

City of Rochepoort 2022 Annual Report

Page 2

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TOTAL	\$ 432.12	Amount spent
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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 Oster

12-12-22
Date

Title

city clerk

Printed Name

JANICK OETON

Day Time Phone number 573-698-3245

75

Additional Responsibilities

City of Sturgeon 2022 Annual Report

No report received from the City of Sturgeon at time of
printing

Meet the Staff



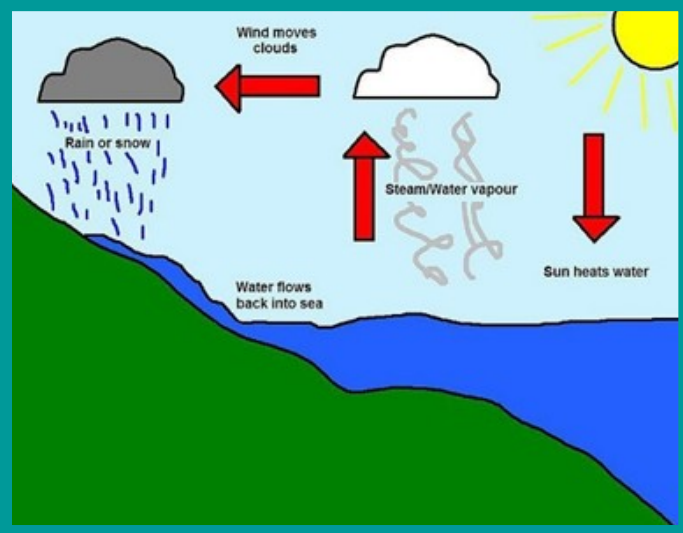
From the left: Darin Sapp, Road Inspector; Keith Austin Chief Road Inspector; Christina Crane, Administrative Coordinator; and Mark Donoho, Road Inspector



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



Meet the Staff



From the left: Paula Evans, Administrative Coordinator; Nicki Rinehart, Stormwater Coordinator; Lynne Hooper, Urban Hydrologist and Michele Woolbright-Hickman, Stormwater Educator



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



Meet the Staff



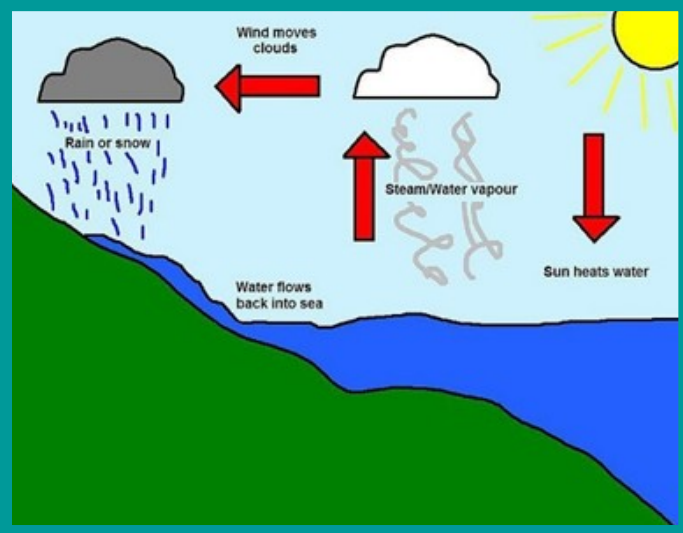
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Vision Statement

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

Department Information

Boone County Resource Management

801 East Walnut, Room 315

Columbia, MO 65201

Phone: 573-886-4480

Fax: 573-886-4340

E-mail:

resmgt@boonecountymo.org

Responsibilities

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

Boone County Road & Bridge

5551 S Tom Bass Road

Columbia, MO 65201

Phone: 573-449-8515

Fax: 573-875-1602

E-mail:

PublicWorks@boonecountymo.org

Responsibilities

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

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>