

# Boone County Road & Bridge Annual Report Fiscal Year 2017

A cooperative effort between Engineering Division of Resource Management and Public Works Maintenance Operations

#### 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 Public Works-Maintenance Operations & Boone County Resource Management-Engineering Division.

### **Letter from the Chief Engineer**

Expense Charts	1-3
Pavement Preservation	4-6
Asphalt Rehab	7
Concrete Rehab	8-10
Drainage Structures	11-16
2018 Plan	17-20
Infrastructure Condition	21-29
Survey	30
Stormwater	31-38
Sales Tax Distribution	39-63
Staff	64-65

Dear Boone County Commissioners and Boone County Residents,

The Boone County Resource Management – Engineering Division is pleased to present our Annual Report which highlights major activities and accomplishments for fiscal year 2017. Our mission is to maintain and improve the County's 760+ 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. This year's 85.89% voter approval to renew the half-cent sales tax for another 10 years was a nice vote of confidence from our citizens.

The dedication of our employees and their ability to communicate and coordinate with each other and with the Public Works Maintenance Operations 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.

# Requirement #1

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

## Fiscal Year 2017 Expenses



## Design & Construction Program Expenses





## Maintenance Operations Major Expenses









## Pavement Preservation



#### Why Focus on Pavement Preservation





This Photo by Unknown Author is licensed under <u>CC BY-NC-ND</u> As we go about our daily lives we budget or set aside money to maintain and take care of our high dollar purchases such as a car or a home. We like to keep these possessions in good condition so they will retain their value. If we allow these belongings to develop serious problems then we must spend additional money to repair what we already own; and delay our plans for acquiring something new. Boone County Road & Bridge experiences the same situation and has adopted Pavement Preservation as our cost effective way of extending pavement life and meeting the expectations of Boone County citizens.

The philosophy of Pavement Preservation is to apply the:

- \* **Right Treatment** to the
- \* Right Road at the
- \* Right Time

Pavement Preservation includes:

- \* Corrective Maintenance such as crack sealing & pot hole patching which is performed on an ongoing basis as needed
- \* Preventive Maintenance such as fog seals and chip seals are applied during the warmer summer months and on a rotating schedule
- \* Minor rehabilitation. such as mill and overlay is completed during the summer months, on roads where the condition has deteriorated below a level where a preservation treatment would be effective.

Boone County has adopted the following cycle for applying Pavement Preservation preventative maintenance treatments: Year I New/Newly Rehabbed

Year 3 Preservation Chip Seal

#### Year 4 Surface Seal

Surface Seals will continue to be applied every 4 years until the road has multiple areas where crack sealing and pot hole patching have occurred. At that time another Preservation Chip Seal treatment will be applied and the Surface Seal treatment rotation will start over.

As in life there can be uncontrollable circumstances such as a severe winter or a new development that generates above normal heavy truck traffic that may cause us to adjust this cycle.

### **Boone County Pavement Preservation Techniques**

#### **Pavement Preservation**

- Right Treatment to the
- Right Road at the
- Right Time

The intent of corrective maintenance such as crack sealing and pot hole patching is to remove voids from the driving surface, and keep moisture from degrading the subsurface. The purpose of preventive maintenance is to stop irregularities before they occur. A chip seal is used to waterproof the existing exterior pavement and retain the driving surface. The function of a surface seal is to protect the chip seal and to provide an additional adhesive property that will lock the chips in place.







## Pavement Preservation

## Onyx Surface Seal

Surface Seals are performed on roads in excellent condition. Currently, every road that receives a Preservation Chip Seal is planned to also get a surface seal in the following construction season. The purpose of this treatment is to supplement and extend the life cycle of Preservation Chip Seal treatments on roads in excellent condition.

In 2017 approximately 50.4 centerline miles of roads were treated with an Onyx Surface Seal.



## Preservation Chip Seal

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 that is applied as part of a chip seal creates a very robust barrier between the pavement and the environment, limiting the deteriorating effects of sunlight and moisture to the road. The chips applied to the road (Iron Mountain Trap Rock) is a very hard, durable rock which provides a wearing surface and traction to the road.

In 2017 approximately 8.5 centerline miles of roads received a Preservation Chip Seal treatment.

## Asphalt Overlay

2017

Asphalt overlays are performed on roads that exhibit some moderate distresses and smoothness irregularities, but otherwise are in good condition. Typically, 2" of new asphalt mix is placed on the road surface. Another way asphalt overlays are used is to extend the life of deteriorated concrete roads. In this case the roads are typically milled prior to the overlay so the final surface elevation is as it was before the project.

In 2017 approximately 7.9 centerline miles of road received an asphalt overlay, of that 7.9 centerline miles, approximately 3.1 miles was for mill and overlay operations.

#### **Treatment Comparison Treatment Type** Total Cost **Centerline Miles** Cost per Mile 50.4 \$14,179.30 **Onyx Surface Seal** \$714,636.55 Mill & Overlay \$1,020,692.30 7.9 \$129,201.56 Preservation Chip Seal 8.5 \$20,861.69 \*\* \$177,324.35 \*\*

\*\* This number is artificially low as Boone County supplied some of our own trap rock swept from previous years sweepings

# Asphalt Rehabilitation





#### Asphalt Rehab Cost

\$244,026.67

#### **Centerline Miles**

Repaired

#### .8 miles

Cost per Mile

\$305,033.34

### **St. Charles Road**

In 2017 an Asphalt Rehabilitation Project was performed on St. Charles Road between Battle High School and State Route Z. Full Depth Reclamation was used on this severely distressed pavement.

In this process, the existing pavement, gravel base, and subgrade are pulverized and combined with cement and water and compacted into a stabilized base.

Following curing, an asphalt overlay is installed. Approximately 0.8 miles received the Full Depth Reclamation.









# Concrete Rehabilitation



## Concrete Pavement Management

The management of concrete roads is significantly different than asphalt roads. Due to the nature of the material, concrete roads tend to stay in good condition for a long time, then fail very quickly with no opportunity to use low cost preventative maintenance treatments prior to failure. Boone County's management of its concrete roads currently focuses on the systematic replacement of failed panels. Repair of these roads is achieved using two basic mechanisms, targeted panel replacements and rehab projects.

#### Boone County Infrastructure

Includes: 29.3 miles of Concrete Roads This adds up to 38,952 concrete panels Boone County observed several concrete streets beginning to weaken earlier than expected. To combat this Boone County implemented a process in 2017 designed to minimize deterioration of concrete streets showing accelerated premature material deterioration. This process involved milling of the top 2" of concrete and replacing with an asphalt wearing surface. Most of the concrete panel replacements were done in preparation of this mill and overlay operation.

## **Targeted Panel Replacement**

Targeted Panel Replacement involves the removal and replacement of individual concrete panels in a road that have deteriorated to a point where they are no longer serviceable. These replacements are performed by either a contractor or by the Public Works Department. In 2017 approximately 200 panels were replaced by Contractors.







New Process converted 4,783 concrete panels to asphalt street surfaces

# Concrete Rehabilitation



## Georgetown & Lake of the Woods Subdivisions

Concrete Road Rehab projects are a much larger scale removal of failed panels which are replaced with new pavement and typically encompass an entire neighborhood. Every other year, Boone County staff inspects and rates all individual concrete street panels. The data is mapped and used to help determine if the density of damaged panels warrants replacement of individual panels or if a complete street rehabilitation is needed. Results from this process, indicated Lexington Court and Georgetown Loop in the Georgetown subdivision, as well as portions of Rocky Mountain Ave., Shenandoah Dr., & Shiloh Ave in the Lake of the Woods subdivision needed a complete street rehabilitation.

The project was designed by Boone County staff and called for the removal of the existing concrete pavement, spot replacements of the existing curb and gutter, installation of geotextile fabric with 10" of base rock, and 8" of full depth asphalt pavement. The project was bid in June of 2017, and awarded to Emery Sapp & Sons. Construction began in late July. The contractor worked at an accelerated pace and completed the project roughly 4 weeks ahead of schedule.

The new street sections are asphalt so the County will maintain them through our Pavement Preservation program to ensure quality streets for years to come.



Shiloh Ave. - Before Construction



Shiloh Ave. - After Construction

**Concrete Rehab Cost** 

\$934,038.08

**Centerline Miles** 

Repaired

.84

**Cost per Mile** \$1,111,950.10



## Drainage Structures

### **Bridge & Pipe Preservation**



Similar to Pavement Preservation for our roads; Boone Country strives to perform preventative maintenance and minor rehabilitation treatments on our bridges and culverts as a cost effective way of extending the life cycle of those assets. Two techniques used in 2017 were Hydro-Demolition of bridge decks and Trenchless Culvert Rehabilitation on some of our large pipes.



2017



Bridge Deck prior to treatment

Hydro-demolition Project Cost \$168,868.00 2 bridges preserved \$84,434.00 per bridge Each bridge closed 1 week

#### **Hydro-Demolition**

Two bridges with deteriorated decks, one on O'Rear Rd. (approximately 0.2 miles northwest of State Route HH) and one on Tucker School Rd. (approximately 0.4 miles south of Winn Rd.) had their decks rehabilitated in 2017 via Hydro-Demolition. Hydro-Demolition is a process in which a highpressure water jet blasts the deteriorated concrete loose from the deck. This loose material is vacuumed up, the deck is power washed, and a new wearing surface is poured into place. The wearing surface is made of a latex modified concrete mix that bonds well to the remaining deck material and resists absorption of moisture. This method of repair leaves the bridge with a deck that has an expected life cycle greater than the original deck, and is quick to construct.





Surface preparation of jet blasting and power washing



Latex modified concrete placed overnight to avoid damage by UV rays



Completed bridge deck with asphalt approach



## Drainage Structures

#### **Trenchless Culvert Rehab**

Trenchless Culvert Rehab Project Cost \$197,850.00 8 pipes preserved \$24,731.25 per pipe Minimal disruption to traffic (10 days)



Spincast Machine at Applewood Creek Rd.

The flowlines of corrugated metal pipes (CMPs) are susceptible to corrosion issues. If left untreated, corrosion can threaten the structural integrity of the pipe. The most common method to treat corroded pipes is by excavation, removal, and replacement. However, certain site conditions such as deep large pipes, high traffic areas, condition of pavement, and number of utilities makes rehabilitation of the existing pipe in place, without excavation, a more attractive option. Boone County staff compiled a list of several culvert crossings that fit these criteria. Two crossings on Wagon Trail Rd. are large diameter. One crossing is a single 84" diameter CMP, and another crossing is a double 72" diameter CMP. On Burning Bush Rd., in the Shalimar Subdivision, 60" diameter CMPs carry stormwater between homes, under Burning Bush and daylight in a ditch. The 60" CMP was originally installed close to the houses and many utilities are present in the area. On Applewood Creek Rd., two 60' diameter CMPs carry creek flow under the road. The CMPs have reinforced concrete headwalls, in good condition, on the upstream and downstream ends. Applewood Creek is also the only way in and out of the neighborhood. It was decided for all these areas the need to remove and replace existing materials and the disruption to the residents and traveling public would have been substantial and doing a trenchless, no-dig rehab would be a better option.

In June 2017, Boone County staff put out for bid the trenchless culvert rehab project. Contractors could bid on two separate trenchless methods. One method is called sliplining. Sliplining is merely inserting a slightly smaller diameter pipe into the larger diameter host pipe. Once inserted, cement grout is pumped into the void between the two pipes, securing the smaller pipe in place. The second method available to bidders was spincasting. Spincasting involves a crew pumping a cement mortar to a machine with a spinning head. The spinning head, attached to a sled, is then pulled through the pipe, broadcasting a layer of mortar onto the pipe. After several passes, the crew has constructed a thin concrete pipe. After review of the bids the spincast method was selected as providing the most desired outcome at the most cost effective rate. In August 2017, construction began on what would become the very first spincast project for Boone County. Crews required only a few days to complete each pipe. After the successful deployment of spincasting, the County feels the process could be used in other challenging areas in the future. The final cost for the project was \$197,850.00.



2017

Pipe on Wagon Trail Rd. – Before Construction



Completed Pipe on Wagon Trail Rd.

# Drainage Structures

# 2017

### **Structure Replacements**

#### **Davenport Road**



Boone County replaced a one -lane wooden deck bridge with a 14' wide x 5' high x 54' long precast concrete box culvert.



The new structure allowed the road to be widened and will reduce maintenance costs by collecting less debris. The construction cost was \$77,006.00.



#### **Remie Lane**

This project involved replacing 3 existing large diameter culverts with a 54' long, single-span bridge.; and raising the road approximately 4 feet at the lowest point.



The new bridge will reduce the frequency of debris pile up and therefore reduce maintenance costs. The work was completed for \$221,609.08.



#### **Marshall Road**



This project involved replacement of 2 existing large diameter culverts with a 48' long, single-span bridge, as well as slightly raising the roadway and lining the road embankment with slope protection. The new bridge will reduce the frequency of debris build up and therefore reduce maintenance costs. The bridge was constructed for \$217,638.00.



# Drainage Structures



#### Structure Replacements Hill Creek Road

The Hill Creek Road bridge replacement project removed a structure from 1970 that was nearing the end of its service life and installed an 87.5' long, three-span bridge that will provide safe passage for many years to come. The new bridge will also reduce the frequency of debris catching and therefore reduce maintenance costs. The work was done at a construction cost of \$438,546.65.









#### **River Oaks Road**

The existing stormwater system on River Oaks Rd consisted of galvanized corrugated metal culverts under the road in several locations. These culverts had severe corrosion, making them susceptible to structural failure. One culvert had already failed on the downstream side of the road and caused significant erosion. Left alone, these pipes would collapse creating street sink holes and other safety problems.

Boone County staff designed and bid a project to remove and replace the failing culverts. The design called for the new culverts to be larger, aluminized, corrugated metal pipe. Aluminized coating has been shown to perform better at preventing corrosion than galvanized coating, hence providing a longer design life. Larger culverts were chosen based on the fact that if premature corrosion does occur, the culverts could be rehabilitated in place without the need to excavate.

The project was bid in the spring of 2017 and construction began in July 2017. Several unique challenges were present during construction. First being River Oaks road is a dead-end road and second the culverts were rather deep. To keep access for the homeowners open as much as possible, the contractor installed the new culverts in sections. This method worked quite well and construction was completed in 4 weeks. The final cost of the project was \$105,328.79. Large Culvert Replacement Project Cost \$105,328.79 3 pipes replaced \$35,109.60 per pipe 4 weeks construction time



#### **Treatment Comparison**

<u>Treatment Type</u>	<u>Total Cost</u>	<u>Structures</u> <u>Refurbished</u>	<u>Average Cost per</u> <u>Structure</u>
Hyrdro-Demolition	\$168,868.00	2	\$84,434.00
Trenchless Rehab	\$197,850.00	8	\$24,731.25
Replacement-Culverts	\$105,328.79	3	\$35,109.60
Replacement-Bridges	\$954,799.73	4	\$238,699.93

As with Pavement Preservation, **when possible and appropriate** the preservation and rehabilitation techniques are a much better value. There are many factors that go into determining which treatment will offer the most cost effective long term solution.



# 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 2018 Plan



## Road & Bridge Revenue Yearly Comparison







## **Road & Bridge Revenue by Source**



Where The Money Comes Fr	om	
Sales Tax	\$	14,306,000
Property Tax		1,603,100
Motor Vehicle Sales Tax		525,000
Charges for Services		37,155
Interest & Other		214,505
County Aid Road Tax		1,188,000
Intergovernmental	6.0	86,000
Total Revenues	\$	17,959,760
Other Financing Sources		133,726
Fund Balance Used for Operations		327,960
Total Financing Sources	\$	18,421,446



## **Projects in Development**

2017

#### **Pavement Preservation Projects**

These projects are currently under design and proposed to be constructed in 2018

80,455 sq yds of Preservation Chip Seal

503,579 sq yds of Surface Sealing

147,082 sq yds of Asphalt Overlay

#### Asphalt Rehabilitation Projects

There are no Asphalt Rehabilitation projects planned for 2018

#### **Concrete Rehabilitation Projects**

These projects are currently under design and proposed to be constructed in 2018 Individual panel replacement is projected to be a low number of panels in preparation for mill & overlay Phase II of Lake of the Woods Subdivision These projects are currently under design and proposed to be constructed in 2019 or 2020 El Chaparral Subdivision

#### **Drainage Structure Projects**

These projects are currently out for bid and will be constructed in 2018

Mount Zion Church (East) Bridge #BR2750020

Red Rock Road West Bridge #BR0470006

These projects are in the preliminary design, final design or right of way acquisition phase and are proposed to be built in 2019 or 2020

Rangeline Road Bridge #BR3380002

St Charles Road (East) Bridge #BR3170016

Dripping Springs Road Bridge #BR0420020

New Haven Road Bridge #BR3430024

#### **Capital Improvement Projects**

There are currently no capital improvement projects underway.



## 2018 Design & Construction Budget by Program



## 2018 Maintenance Operations Major Supplies Budget



# Requirement #3

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

## Fiscal Year 2017 Condition



The following charts are based on information stored in Cartegraph, our database program. These values are for 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 values. The categories are also based on surface type values, the only exception is Preservation Chip Seal, which is considered the same as Asphalt surface and therefore combined with the Asphalt category in these stats.

Surface Type	Total Miles	Percent of Total Road Network	Change in Total Miles from 2016
Asphalt	198.1	25.69%	+1.5 Miles
Concrete	29.3	3.80%	-1.0 Miles
Limestone Chip Seal	76.5	9.92%	+1.7 Miles
Gravel	467.1	60.58%	-0.9 Miles
Total	771	99.99%	+1.3 Miles**

\*\*Total miles of County Maintained road changes due to acceptance of new roads built by someone other than Boone County, annexations, change of surface type (asphalt over concrete roads) and error corrections. An example of an error correction is the addition of 1.7 miles of Limestone Chip Seal. This change is due to an upgrade to our database program, and not to placement of new limestone chip seal.









## Total Miles of Road Maintained by Boone County







## **Asphalt Surface Ratings 2017**

The data used to assign ratings to asphalt roads is a combination of (1) visual inspection of the segment, 2) work done to a segment and 3) weighted averages for normal use of a segment. These values are combined to caluculate the condition of the segment based on established curves. This value is generated by Cartegraph and the following values are used for the classes.

OCI = Overall Condition Index) Excellent = any value 85 and above Acceptable = any value between 55 and 85 Failed = anything less than 55





Asphalt Surface Ratings 2017



## Asphalt Surface Ratings 2012-2017





## **Concrete Panel Ratings 2017**

Concrete roads are a rigid or non-flexible pavement so they can not be evaluated using the same criteria used for asphalt roads. Concrete roads are inspected by each individual panel. The ratings below are based on the 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





## Concrete Panel Ratings 2017



### Concrete Panel Ratings 2013-2017



Condition of Boone County Maintained Roads, Bridges & Culverts

### **Gravel Roads 2017**

2017



Limestone Chip Seal Roads 2017



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.

#### Annual Report



Many types of structures are referred to as brides, however only those that meet the minimum size requirement of at least 20 feet in length are inspected by MoDOT. The ratings and information provided on the following pages are based on material obtained from the MoDOT inspections and only refers to bridges inspected by MoDOT. MoDOT bridge inspections are performed every other year with the most recent inspections being completed in 2017.

From the MoDOT inspections the Deck Condition, Substructure Condition, and Superstructure Condition are rolled into an average value based on a 0 - 100 scale. The following charts are based on information stored in Cartegraph, our database program. These values are for only non retired bridges that are currently maintained by Boone County. Not all of the structures coded as bridges are inspected by MoDOT due to size requirements. The structures NOT inspected by MoDOT are therefore separated out in the subsequent statistics.

Cartegraph generates the bridge rating value and the following standards are used for the classes:

**Excellent** is any OCI value that is 75 and above **Acceptable** is an OCI value between 50 and 75

Failed is an OCI anything less than 50

(OCI=Overall Condition Index)

116 of 127 (91%) Boone County maintained Bridges are rated Acceptable or Above

wing walls.

\*127 includes 8 bridges not inspected by MoDOT

Wing wall



## **Bridge Ratings 2017**



### Bridge Ratings Comparison 2012-2017





# Additional Responsibilities

# Surveying Stormwater Sales Tax Distribution

## Fiscal Year 2017



### **Assistance to the Public**

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.

Began the process for placing permanent monuments in the position of selected corners of the Public Land Survey System (Section and <sup>1</sup>/<sub>4</sub> Section Corners) as part of the Missouri Department of Agriculture County Surveyor Co-op Program. "The mission of the Land Survey Program is to develop and provide information required for the accurate and economical location of property boundaries in Missouri. The program responsible for Cadastral and Geodetic Surveys as well as making survey documents available to surveyors and the public. The land corners established through surveying are the basis for the location of all property in Missouri. Properly monumented, they are a dependable, consistent, accurate source of information for settling property boundary disputes and other boundary related questions." (from the State of Missouri, Department of Agriculture website).

Responded to 2 inquiries for NID's (Neighborhood Improvement District). None, to date, have applied for County assistance.

Represented Boone County Road & Bridge at concept reviews held by the Boone County Planning Department for review of upcoming developments.



#### **Assistance to County Staff**

Assisted Public Works 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 Department with complete reviews of all plats of proposed Subdivisions and Administrative Surveys, submitting comments and suggestions to the Planning Department, and notifying the surveyors of those comments and suggestions. Additionally, all descriptions for granting easements for public roadways and for utilities (these are required when preparing many of the Administrative surveys) were reviewed.

Began a property boundary survey of the entire Boone County Fairgrounds property totaling more than 189 acres.



## Additional Responsibilities Stormwater

2017

## Boone County Stormwater Mission Statement



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

#### What is Stormwater?

Stormwater is any water coming from precipitation. It may be rain, water from snowmelt, or water that runs off streets, parking lots, lawns, and 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 the 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.



## Public Education & Participation

- Columbia Home Educators Science Fair Boone County Stormwater presented an interactive participation activity using the county's Enviroscape to demonstrate the effects of watershed erosion, pollution, and civic responsibility to 75 students.
- Columbia Home Land Management Presentation in conjunction with MU Extension. Discussed Best Management Practices that homeowners can implement on private property.
- Annual Right-of-Way & Utility Meeting Boone County Stormwater presented a review of the land disturbance permitting process. Topics covered were the Boone County stormwater and stream buffer ordinances as they relate to utilities and linear construction activities. This program had representatives from 12 participating utility organizations.
- Centralia R-VI Sixth Grade Boone County Stormwater presented a weeklong presentation on watershed practices and citizen responsibility. This program served 125 sixth grade students.
- ♦ Grant Elementary Columbia Public Schools Boone County Stormwater presented an interactive participation activity using the county stream table and Project Wet's "Sum of the Parts" project to demonstrate the effects of watershed erosion, pollution, and civic responsibility. This program served 65 children.
- ♦ Columbia Earth Day Festival Boone County Stormwater presented an interactive participation activity using the Boone County stream table at the annual Earth Day celebration and was featured on ECO Avenue along with other educational activities for the community demonstrating the effects of watershed erosion, pollution, and civic responsibility. Approximately 400 festival-goers visited our booth, which took I st place in Ecological Education.

## Additional Responsibilities Stormwater

2017

## Public Education & Participation

- ♦ Douglass High School Science Expo Boone County Stormwater presented an interactive participation activity using the Boone County stream table to demonstrate the effects of watershed erosion, pollution, and civic responsibility. This was the third time the school has hosted this event. English as a Second Language students from ten international countries served with interpreters were part of the 60 students and 20 faculty members who participated in our presentation.
- Centralia Water Lady Presentation Follow up presentation to students, parents, and grandparents from the 6th grade picnic to jump start family discussions about clean water practices. Approximately 200 people attended.
- **Sturgeon Summer Fest** Boone County Stormwater participated in a daylong festival using the stream table in the water park activity area with local citizens and visitors. Approximately 150 festival-goers visited our booth.
- ♦ Boone Electric Annual Meeting Boone County Stormwater provided an informational booth on the county's stormwater program and provided interactive activities for the attendees and their children. Approximately 250 people visited our booth.
- Water Festival at Rock Bridge Memorial State Park Boone County Stormwater participated in the third annual Water Festival at Rock Bridge Memorial State Park. The Stormwater Coordinator ran the County's stream table and the County's Urban Hydrologist provided information about the Greater Bonne Femme Watershed and local aquatic and semi-aquatic turtles. This program served approximately 150 adults and children.
- Missouri River Days Boone County Stormwater assisted Missouri River Relief in taking 4<sup>th</sup> graders from Columbia Public Schools on the Missouri River. Approximately 450 students and educators attended.





## Additional Responsibilities Stormwater

2017

## Public Education & Participation



MU BMP Fall Field Tour

- MU BMP Fall Field Tour Boone County Stormwater hosted a tour of local best management practices (BMP's) within the City of Columbia for MU Professor Allen Thompson's Watershed Modeling class. Tom Wellman, engineer for the City of Columbia, discussed various applications used within the Hinkson Creek Watershed. Sites visited included projects completed at the City of Columbia Grissum site and the Forum Nature Area level spreader. This program served 30 students studying a range of environmental and engineering fields.
- Science Teachers of Missouri Conference The Stormwater Educator presented at this conference, using the Boone County stream table to demonstrate the effects of watershed erosion, pollution, and civic responsibility. She also helped provide information about Project Wet at their booth.



Rock Bridge Memorial State Park

#### **How Karst Works**



## Public Involvement Opportunities

- ♦ KFRU Talk Radio
- Spring Cleanup Event Rock Bridge Renew
- Rock Bridge Memorial State Park Water Quality Monitoring and Cleanup Event
- Area-wide Household Hazardous Waste Collection Event
- Spring Brook Trail Hikes

## 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/CollaborativeAdaptiveManagement.htm

- Stormwater Newsletter
- Bonne Femme Watershed Brochure

## Additional Responsibilities **Stormwater**

2017

## **Staff Training Opportunities**

- Level II Water Quality Monitoring Workshop Boone County's Urban Hydrologist and Stormwater Educator attended this workshop, which will allow them to use chemical monitoring equipment, improve their chemical monitoring techniques and improve their ability to identify macroinvertebrates by obtaining assistance identifying unknown invertebrates from their streams and confirming identification of invertebrates in their reference collection.
- Boone County Inspector Training Boone County Stormwater provided refresher training to County inspectors on land disturbance inspection procedures. Six inspectors attended.
- Stream Management Workshop The Boone County Stormwater Educator attended this three-day workshop in March. The workshop explained the basics of understanding and managing instream and riparian habitats in Missouri. Primary topics included watershed and stream channel processes and connectivity, impacts of watershed and stream channel alterations, stream erosion diagnostics, structural aspects of stream bank failure, stream stabilization, agriculture/urban/riparian/floodplain BMP's, and stream ecology/hydrology connections.
- Boone County Wellness Fair Boone County Stormwater presented an interactive participation activity using the Boone County stream table to demonstrate the effects of watershed erosion, pollution, and civic responsibility. Those who signed up received a shower timer to help assist them in monitoring their water usage. Approximately 121 employees/family members attended.
- **REGFORM** Stormwater staff attended Missouri REGFORM in September to learn about EPA stormwater rulings and other stormwater related topics.
- **MWEA** Stormwater staff attended MWEA in September to learn about stormwater practices and stormwater related topics currently in use throughout the state.
- Boone County Public Works Safety Day Boone County Stormwater presented a presentation on the Bonne Femme Watershed. Employees were given a chance to participate and win prizes. This program served 50 employees.









Annual

Report

## Additional Responsibilities Stormwater

2017

## **Staff Training Opportunities**

- ♦ AWRA Conference The Boone County Urban Hydrologist attended the American Water Resources Association Conference in Portland, OR. This weeklong conference featured presentations about various aspects of water quality assessment and management, new sampling techniques, and the availability of funds for projects that maybe relevant in the future.
- Missouri Environmental Educator Association Conference The Boone County Stormwater Educator attended the MEEA conference in Kansas City, MO. This two-day conference featured presentations about STEM (science, technology, engineering, and math) curriculum and sustainability in schools.
- **DNR MS4 Workshop** The Boone County Stormwater Coordinator attended a one-day workshop in Macon, MO to learn about the changes to the state's MS4 program, and what to expect during an audit.
- eDMR Training The Stormwater Coordinator attended a workshop to learn how to use the Department of Natural Resource's eDMR system for quarterly land disturbance reporting to MDNR.

#### Webinars

GoToWebinar - Water is for Fighting Over and Other Myths

GoToWebinar - Find Your Bacterial Sources: Microbial Source Tracking

GoToWebinar - Climate Change and Water Management in Eastern States: Overcoming Barriers to Innovation in Regulated Riparianism

CWP Webinar: Stormwater Contaminants of Emerging Concern

GoToWebinar - Surface Discharge of Raw Wastewater Among Unsew ered Homes in Central Alabama

GoToWebinar - Introduction to SWAT

CWP Webinar - Nutrient Trading

GoToWebinar - How State and Local Governments Promote and Pro claim SepticSmart Week

CWP Webinar – Making Urban Trees Count

CWP Webinar - Stream Restoration: Where Are We Now?

CWP Webinar – Bringing Better Site Design into the 21st Century

CWP Webinar - Modeling for Water Quality





## Additional Responsibilities Stormwater

2017





Hinkson Creek



#### What is a Watershed?

#### The simple definition....

It's the area of land that catches rain and snow and drains or seeps into marsh, stream, river, lake or groundwater.

#### **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 Stephens Lake, 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.

#### 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 six (6) times.
- Action Team The Action Team met twelve (12) times.
- Science Team The Science Team met nine (9) times.
- Habitat Assessment Physical Assessment is 100% complete
  - Forum Nature Area Level Spreader Construction is 100% complete. Monitoring: Soil water sensors are monitored weekly starting January 4, 2016. Boone County moved our climate station to the site and are receiving continuous data.
- Orgoing Combined Flow & Suspended Sediment Study Ongoing

#### **Bonne Femme Watershed Project**

The 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 Little Bonne Femme and Bonne Femme Watersheds in Boone County.

- **Technical Advisory Committee** The committee met seven (7) times.
- ♦ Monitoring

 $\Diamond$ 

\*

\*

\*

- Gauging Stations Stations were set up at Turkey Creek and Hwy 63 S, Bonne Femme Creek at Nashville Church Rd, and Little Bonne Femme Creek at Woodie Proctor Rd. These stations provide stage and tempera ture information.
- Quarterly stormwater sampling at ten (10) locations in the watershed Heavy metals testing was done at the three gauging station sites
- **Cooperative Stream Investigation Project** ongoing



### **Monitoring and Assessments**

#### Boone County Stormwater Stream Team

The Boone County Stormwater Team actively participates in the Missouri Stream Teams program. In 2017, our team monitored water quality on Bonne Femme Creek, Turkey Creek, Little Bonne Femme Creek, the Devil's Icebox Spring Branch, Silver Fork Creek, and Lick Fork. Streams are monitored for nutrients four times per year, and macroinvertebrate sampling is conducted twice per year. These data become part of the larger dataset managed by the Missouri Stream Teams program.

#### **MS4 Compliance**

		STORM	WATER PRO	GRAM COM	PLIANCE		
	Stormwater Prevention Plans Reviewed	Pre- Application Meetings Held	Land Disturbance Permits Issued	Stormwater Discharge Permits Issued	Pre-con 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

#### Joint MS4 Coordination Meetings

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





#### **Sales Tax Distribution**

In June of 1993 Boone County Residents voted to "rollback" or decrease the amount of property tax assessed and collected on both Personal Property (cars, trucks, machinery etc.) and Real Estate (homes, land, etc.) and to institute a Sales Tax dedicated specifically to Road and Bridge activities. A provision of the rollback stated that the County of Boone would share some of the revenue collected from the Sales Tax with the Incorporated Municipalities within Boone County. The following pages are the reports received by Boone County detailing what that entity used their portion of the Sales Tax funds for.

Rates in the charts below are cents per \$100 of assessed value.

Person	al Property	
Entity	Rate	
STATE	0.0300	
BOONE COUNTY	0.2346	
COLUMBIA SCHOOL	6.0555	
COLUMBIA	0.4100	
COL LIBRARY	0.3091	
COMMON ROAD	0.0500	
TOTAL TAX	7.0892	

I	Real Estate	
Entity	Rate	
STATE	0.0300	
BOONE COUNTY	0.2346	
COLUMBIA SCHOOL	6.0555	
COLUMBIA	0.4100	
COL LIBRARY	0.3091	
COMMON ROAD	0.0500	
TOTAL TAX	7.0892	



#### **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: 2017

Narrative for use of funds received :

Tax money proportioned to the City of Ashland during this reporting period supplemented the local transportation fund to fund the reclamation of City streets. The improvement locations were selected by rating those in the worst condition.

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

There are no bridges on roads maintained by Ashland. The overall condition of our streets is good. We still have side streets in need of resurfacing, which Ashland will continue to address annually.

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 City of Ashland used the entire \$155,366.83 allocated from the Cooperative Agreement in 2011 for city street refurbishing. The refurbish consisted of grinding away concrete surfaces and replacing them with two inches of asphalt.

Mill and fill on concrete Streets occurred on Justin Street, Collins Court, and Nickman Street and Morgan Street. The total cost of the refurbish of these four streets was \$120,369.44.

Richardson Court was rehabilitated with finegrading, rotomilling, wedging of uneven areas and a two and one half inch asphalt overlay. Total cost for this improvement was \$14,935.00.

Concrete curb repair occurred on Mustang and Justin Lanes. The expense of these repairs was \$30,436.96.

Supplemental Information

Additional paving occurred at the Police Garage for \$30,044.00 and City Hall for \$25,509. Funds for those jobs came from the City's Capital Improvement, sales tax collections. No Cooperative Agreement monies were used for these improvements.



#### ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

		-	



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.

Im Word Find	12/7/17
Signature	Date
City Administrator/Police Chief	
Title	
Lyn Woolford	573-657-2091
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>.

# **City of Ashland**

#### 2017

### **CONTINUATION SHEET**

AIA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 2 APPLICATION DATE: 9/28/2017 PERIOD TO: 9/27/2017 ARCHITECT'S PROJECT NO:

A	В	С	D	E	F	G		Н	1
ITEM	DESCRIPTION OF WORK	SCHEDULED	WORK CON	IPLETED	MATERIALS	TOTAL	%	BALANCE	RETAINAGE
NO.		VALUE	FROM PREVIOUS	THIS PERIOD	PRESENTLY	COMPLETED	(G ÷ C)	TO FINISH	(IF VARIABLE
			APPLICATION		STORED	AND STORED		(C - G)	RATE)
			(D ÷ E)		(NOT IN	TO DATE			
					D OR E)	(D+E+F)			
1	CONCRETE CURB REPAIR	\$30,436.96	\$30,436.96	\$0.00		\$30,436.96	100.00%		
2	2 INCH ASPHALT MILL & FILL	\$120,369.44	\$0.00	\$120,369.44		\$120,369.44	100.00%		
3	POLICE STATION LOT	\$30,044.00	\$19,000.00	\$11,044.00	,	\$30.044.00	100.00%		
4	CITY HALL PARKING LOT	\$25,509.00	\$9,054.00	\$16,455.00		\$25.509.00	100.00%		
5	RICHARDSON COURT	\$14,935.00	\$0.00	\$14,935.00		\$14,935.00	100.00%		
	ADDITIONAL WORK								
6	GEOTEXTILE FABRIC INSTALLED	\$250.00	\$0.00	\$250.00		\$250.00	100.00%		
	AT POLICE STATION								
7	ADDITIONAL AREA AT CITY HALL	\$2,030.00	\$0.00	\$2.030.00		\$2,030.00	100.00%		
	8"ROCK 4"ASPHALT								
	35 SY @ \$58/SY								
8	CREDIT FOR 142 TON OF ASPHALT	(\$13,739.92)	\$0.00	(\$13.739.92)		(\$13,739.92)	100.00%		
	NOT NEEDED @ \$96.76/TON								
	GRAND TOTALS	\$209 834 48	\$58,490,96	\$151 343 52	\$0.00	\$200 834 49		£0.03	
		\$207,054.40	\$30,470.70	9101,010,02	30.00	3207,034.40		50.00	
	L	mant hu nanua	ting of the lines	a completed A	A Desument DA	M. A	17		

Users may obtain validation of this document by requesting of the license a completed AIA Document D401 - Certification of Document's Authenticity



#### **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: 2017

Narrative for use of funds received The funds received went toward the annual overlay of streets which is detailed below, as well as the operation of the Street Department. Asphalt overlay In addition to road maintenance we replaced the curb and gutter on sections of Westwind drive and Brsyon Drive. The City hired Capital paving through a competitive bid process and Capital Paving. Their bid of \$65.79/ton combined with prcies for full-depth reapir and patching was evaluated as the lowest and best bid. We overlayed 1.71 miles of street at a cost of \$210,752. Streets paved include Westwinds, Briarwood, Eastmont, South Street, Alco St. and Southwest Circle for their full length; Railroad Street from Hickman Street to Jefferson St., Bryson from Westwinds to Eastmont, Locust from Central to Pool and Poage from Jefferson to slightly past Poage. Railroad and Poage are important commercial streets and of benefit to all of Boone County.

In preparation our crews repaired about 1,000 linear feet of curb and gutter on Westwinds, Bryson and patches on Briarwood and Eastwood. This project alone cost about \$15,000 in materials, plus a full month work of labor. Some stormwater improvements on the street were incorporated into the project as well.

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

The City of Centralia conducts an annual review of the 34.44 miles of streets under our control and scores their condition on a scale of 1 - 10 where 10 is a functionally new road. We did a complete re-evaluation and were very strict. Based on this evaluation, well over half of our roads are in good or excellent condition The results were:

Miles of Road	Condition	Last year's rting	
6.34 (18.4%)	10	13.34	
15.31 (44.4%)	7-9	10.29	
9.72 (28.2%)	4-6	8.42	
3.07 (8.9%	1-3	5.50	

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 \_



Total County funds received were: \$143,108 Asphalt overlay: \$210,752.

Street Department total: 237,061

#### ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

Annual Report	Citv	of Ce	ntralia	
: · · · · · · ·				
				201
				201
	813			201
TOTAL\$44 I declare that best of my kn	813 have examined this repo wledge; certify that the in	ort, including accompany	ing schedules and stateme ve is true, complete and ad	2012 ents, and to the ccurate.
TOTAL _\$44 I declare that best of my kn Signature	1813 have examined this repo wledge; certify that the in MMAarhoo	ort, including accompany	ing schedules and stateme ve is true, complete and ad	ents, and to the courate.

Matt Harline \_\_\_\_\_ Printed Name

Day Time Phone number

573-682-2139

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>.



# City of Centralia

#### 2017

Street	Segment	Width	Length	Depth in inches	Estimated Tons of Asphalt	Road Condition	Add'l costs	Estimates	2017	2018
	onia i arealta con da cita atari Sur Adami	-	indoni 529	land sur		AN DE LE LE MARCE	un mart achara crac	n naradonika na sajastana sajab	EDVITT'N JE OF AND DIF OUT AND AND T	
Railroad St	Jefferson-Rollins	46	901	1.5	474.13	3		35,560.07	35,560	
West Wind Dr	Bryson-Gano Chance	28	627	2	267.78	5	5,000	25,083.73	25,585	
Eastmont Dr	Bryson-Gano Chance	27	614	2	252.87	4	5,000	23,964.91	24,444	
Bryson dr	Westwind-Eastmont	26	551	2	218.52	3	4,000	20,388.67	20,796	
Locust (Central -	Pool)	18	1310	1.5	269.75	3		20,231.30	20,636	
Briarwood Ln	Bryson-Gano Chance	27	620	1.5	191.50	2	3,500	17,862.68	18,220	
Southwest (Allen	1 - cul-desac)	21	725	2	232.23	3		17,417.11	17,765	
Railroad St	Rollins-Allen	46	393	1.5	206.81	4	NO FEE DO	15,510.66	15,511	
Alco St	Allen-dead end	19	748	1.5	162.58	4	CONTRACTOR AND	12,193.69	12,438	
Railroad St	Allen-Hickman	46	268	1.5	141.03	5	ere en	10,577.25	10,577	
Alco St	Allen-Rollins	19	300	1.5	65.21	5	adding or on all our restory pre-	4,890.52	4,988	
Sneed St	Rollins-Bradford	30	1130	2	517.08		i na ma ka igi	38,780.95		39,557
Adams (R. Griff.	to Bruton)	18	1920	1.5	395.36	6		29,651.98		30,245
Sneed St	#312-Allen	48	577	1.5	316.84			23,762.77		24,238
Mayes Meadow		24	1138	1.5	312.44	1		23,433.30		23,902
Reed St	Whitman-Rodney Griffin	24	608	2.5	278.22	7		20,866.21		21,284
Allen St	Singleton-#203	47	376	2	269.55			20,216.43		21,033
Sneed St	Allen-Rollins	63	330	1.5	237.83			17,837.52		18,194
Sunrise Circle		18	845	1.5	174.00	4	1	13,049.96		54,764
Meadowlark		27	193	1.5	59.61	3		4,470.96		4,471
Singleton St	Hickman-200'e Collier	51	1227	1.5	715.87	a far ber		53,690.16		
Rollins St	Sneed-Railroad	50	736	1.5	420.98	a in two	enni - Ki	31,573.87		
Barnes St	Jefferson-Rollins	21	1215	2	389.18			29,188.67		
Barnes St	allen - Columbia	22	984	2	330.20			24,764.89		10 a az
Bradford St	Sneed-Sims	20	1405	1.5	321.46			24,109,39		
Barnes St	Allen-Rollins	38	380	2	220.25			16.519.08		
Poage St.	(Lee to Jefferson)	27	1300	1.5	401.54	2	Constitution of a Constitution of the	30,115,29		-
Allen (RR tracks	- Singleton)	47	484	2	346.98	4	in a crase	26.023.27		
Stone St	Switzer-Poage	16	283	3	103 60	4	ulisidineetueteetutei	7 769 92		
Bruton St	Allen - Jenkins	21	1012	2	324.16	5		24 311 88		
Central Street	Gano Ch - cul-de-sac	29	738	2	326.45	3		24,011.00		
Allen St	#203-Barnes	39	386	15	172 21	din comu	and the second second second	12 916 11		
Allen St	Barnes-Bruton	21	471	2	150.87			11 315 11		
Collier St	Bailroad-Singleton	22	422	15	106.21		e tradición de la	7 965 54		
Collier St	#211-Barnes	26	343	1.5	102.02	ABOUT ONE	2 S.A. DENTE R	7 651 51		
Collier St	Sneed #211	50	145	1.5	82.94		1412月26日	6 220 40		
Collier St	Singleton-Speed	22	267	1.5	67.20			5 030 81		
Speed St	Jefferson Bradford	22	100	1.5	66.66	開劇時		4 999 20		
Bradford St	Singleton Speed	10	275	15	50.00	116800		4,555.20		
Bradoloh St	Perminaton to Powland	19	1412	1.5	2326.03	Now	144.0470331031264	4,402.97		
Randolph St		10	2254	1 5	2320.03	2		26 254 56		
Cook, Leach, Richey	V& ROCKY (Hobali Tr. PK.)	10	2004	1.5	404.73	2		30,354.50		
S. Columbia (Co	DB tracks Singlaton	47	107	3	335.67	2	S EIZ EINO DE	26,690.21		
Allen St	RR tracks-Singleton	41	484	4 5	346.98		and managements of the second s	26,023.27		
Singleton St	200 e Collier-Jefferson	51	5/8	1.5	337.22		a na na na na na na da	25,291.70		
Rollins St	Barnes-Sneed	37	415	1.5	1/5.66	E REALES	ford an abunda	13,174.37		
Hickman (100 N,	, part)	28	1/6	3	112.75	5		8,456.31		
					19318.62			\$ 1,466,397	\$ 206,521	\$ 239,705
			Tons						2482.41	2560.93
								Linear Feet	7057.00	7117.00
								Miles	1.7096	1.3479

## City of Centralia

2017

#### PUBLIC WORKS HIGHWAYS & STREETS

		Calendar	Calendar	Calendar	FY 2018	FY 2017	FY 2017	FY 2016	FY2016
ACCOUNT NUMBER	ACCOUNT TITLE	2017	2016	2015	Budgeted	Audited	Budgeted	Audited	Budgeted
PLANNING & ADMIN									
01-03-01-01-001	SALARIES AND WAGES	8,104	8,390	12,361	10,000	8,731	11,887	13,920	13,920
01-03-01-01-002	OVERTIME WAGES	1,252	2,109	686	865	1,118	1,039	300	300
01-03-01-01-010	ACCRUED EMPLOYEE BEN	5,464	5,683	8,570	7,950	5,880	7,406	7,924	7,924
01-03-01-01-110	PRINTING, PUBLICATION	159	853	44	200	135	200	200	200
01-03-01-01-120	DUES/MEMBER/SUBS/TUI	-	-	50	50	-	50	50	50
01-03-01-01-142	PROF. SERV.ARCHT.ENG					-	-		
01-03-01-01-150	CONTRACT LABOR	1,182	995	1,120	1,300	1,097	1,300	1,300	1,300
01-03-01-01-170	MAINT.AGREEMENTS,LEA	1,394	1,237	1,091	1,100	1,177	1,100	1,100	1100
01-03-01-01-180	MEALS,LODGING,TRAVEL	-	89	11	100	11	100	100	100
01-03-01-01-201	OFFICE SUP. FURNITUR	-	242			242	-		
01-03-01-01-210	OPERATING SUPPLIES	563	218	91	300	218	300	300	300
01-03-01-01-490	EQUIPMENT USE CHARGE	6,905	6,287	6,015	6,000	7,031	6,000	2,200	2,200
01-03-01-01-506	DATA PROCESSING EQUI	764	486		-	-	-		
	SUBTOTAL	\$ 25,785	26,588	30,039	27,865	25,640	29,382	27,394	27,394
STREET MAINT.				-					
01-03-01-02-001	SALARIES AND WAGES	26,345	13,064	16,108	19,800	14,240	16,311	15,105	12,192
01-03-01-02-002	OVERTIME WAGES	3,320	2,642	1,485	1,780	2,347	1,534	1,485	250
01-03-01-02-010	ACCRUED EMPLOYEE BEN	16,434	9,258	9,493	15,900	10,462	11,020	9,044	7,419
01-03-01-02-110	PRINTING, PUBLICATIO	151	441		150	53	150	-	150
01-03-01-02-132	UTILITIES-NATURAL GA	354	337	376	450	363	450	372	450
01-03-01-02-150	CONTRACT LABOR	1,159	1,490	737	1,200	1,461	1,000	737	1,000
01-03-01-02-160	REPAIR SERVICE	108	-	117	300	-	400	117	400
01-03-01-02-170	MAINT.AGREEMENTS, LE	-	113		300	113	500		500
01-03-01-02-190	INSURANCE		223	504		223	-	504	
01-03-01-02-210	OPERATING SUPPLIES	32,493	13,290	29,838	17,500	14,429	20,000	23,397	15,000
01-03-01-02-220	TOOLS/SMALL EQUIPMEN	1,306	(1,750)	274	200	1,389	200		200
01-03-01-02-450	EQUIPMENT RENTAL		-		1,000		1,000		1000
01-03-01-02-490	EQUIPMENT USE CHARGE	21,843	21,921	19,423	18,000	23,762	15,000	23,588	12,000
01-03-01-02-502	VEHICLES		3,087	61,500	· -	-	44,333	101,930	44,333
01-03-01-02-503	FURNITURE AND FILES	-	40,430				-	-	
01-03-01-02-508	OTHER EQUIPMENT	-				-	-	-	
01-03-01-02-509	MISCELLANEOUS CAPITA		-	-				-	1600
01-03-01-02-801	TRANSFER TO OTHER FU	-		-		-	-	-	
	STREET MAINT. SUBTOTAL	\$ 103,513	104,546	139,855	76,580	68,842	111,898	273	96,494

# City of Centralia

#### 2017

		Cale	ndar	Calendar	Calendar	FY 2018	FY 2017	FY 2017	FY 2016	FY2016
ACCOUNT NUMBER	ACCOUNT TITLE	2017		2016	2015	Budgeted	Audited	Budgeted	Audited	Budgeted
ALLEY MAINT.					· -					
01-03-01-03-001	SALARIES AND WAGES		377	266	549		172	577	412	273
01-03-01-03-002	OVERTIME WAGES		-	(33)	-		15		-	
01-03-01-03-010	ACCRUED EMPLOYEE BEN		154	185	408		120	369	351	83
01-03-01-03-210	OPERATING SUPPLIES		-	231	1,918		155	1,000	81	1,000
01-03-01-03-450			160	-	-			-		
01-03-01-03-490	EQUIPMENT USE CHARGE		2,634	1,467	2,277		2,616	2,000	2,937	1,000
	SUBTOTA	. \$	3,324	2,116	5,152		3,077	3,946	3,780	2,356
SIDEWALK & PARKING										
01-03-01-04-001	SALARIES & WAGES		499	659	3,612	1,200	593	3,683	3,572	7,689
01-03-01-04-002	OVERTIME WAGES		-	7	118	150		122	118	
01-03-01-04-010	ACCRUED EMPLOYEE BENEFI	T	355	310	2,200	728	462	2,216	2,151	4,095
01-03-01-04-110	PRINTING, ADV., PUBLICATIO		62	468	-	-	254	-	208	14,000
01-03-01-04-142	PROF.SERV.ARTCH.ENG.SURV	1	519	23,332	200	-	13,589	-	9,743	200
01-03-01-04-150	CONTRACT LABOR		1,500	-	-	10,000	1,500	10,000	200	100
01-03-01-04-160	REPAIR SERVICE		-	-	4,627	100		100	-	10,000
01-03-01-04-210	OPERATING SUPPLIES		1,271	4,269	-	10,000	5,502	10,000	4,627	
01-03-01-04-220	TOOLS/SMALL EQUIPMENT		-	-		-	-	-	-	
01-03-01-04-490	EQUIPMENT USE CHARGES		1,293	1,065		2,600	1,259	2,600	912	
01-03-01-04-590	SRTS SIDEWALK CONSTRUCT	(		122,871	806	-	122,806	-	-	2,600
	SUBTOTA	\$	5,499	152,981	11,563	24,778	145,965	28,721	21,531	38,684
BLDG & GROUNDS										
01-03-01-05-001	SALARIES AND WAGES		3,411	1,678	2,637	3,475	2,826	2,148	1,857	4,084
01-03-01-05-002	OVERTIME WAGES		-	443	28	185	168	29	28	1,200
01-03-01-05-010	ACCRUED EMPLOYEE BNE		2,265	1,053	1,916	2,750	1,996	1,174	1,179	2,630
01-03-01-05-132	UTILITIES-NATURAL GA		1,126	990	1,443	1,900	1,088	1,900	1,125	1900
01-03-01-05-133	UTILITIES, TELEPHONE		1,017	791	416	550	753	550	421	550
01-03-01-05-150	CONTRACT LABOR		938	638	290	400	736	400	459	400
01-03-01-05-160	REPAIR SERVICES		50	218	-	-	90		-	
01-03-01-05-170	MAINT AGREEMENTS & L		-	224	90	163	224	163	90	163
01-03-01-05-190	INSURANCE		1,208	1,199	1,075	1,100	1,199	1,100	1,075	1,048
01-03-01-05-201	OFFICE SUPP FURNITUR		41	-	-	100	41	100	-	100
01-03-01-05-210	OPERATING SUPPLIES	\$	2,248	967	1,411	1,500	1,738	1,500	933	1500
01-03-01-05-220	TOOLS/SMALL EQUIPMEN	\$	410	53	78	300	433	300	126	300
01-03-01-05-490	EQUIPMENT USE CHARGE		-	108	9	200	-	200		200
01-03-01-05-510	BUILDING IMPROVEMENT			-	1,695	1,500	-	1,500	1,335	1500
	SUBTOTA	-	12,715	8,361	11,088	14,123	11,292	11,064	8,629	15,575

# City of Centralia

#### 2017

		Cale	ndar	Calendar	Calendar	FY 2018	FY 2017	FY 2017	FY 2016	FY2016
ACCOUNT NUMBER	ACCOUNT TITLE	2017	1	2016	2015	Budgeted	Audited	Budgeted	Audited	Budgeted
SNOW & ICE REMOVA	L									
01-03-01-06-001	SALARIES AND WAGES	\$	2,496	3,406	10,325	3,800	2,695	7,400	5,253	12000
01-03-01-06-002	OVERTIME WAGES	\$	1,355	2,291	55	1,800	1,644	1,827	1,415	4000
01-03-01-06-010	ACCRUED EMPLOYEE BEN		1,853	2,662	7,353	3,875	2,006	5,649	4,010	9300
01-03-01-06-160	REPAIR SERVICE		-	410	-	200		200	410	200
01-03-01-06-210	OPERATING SUPPLIES		10,799	6,664	9,895	10,000	12,848	10,000	10,944	10,000
01-03-01-06-490	EQUIPMENT USE CHARGE		9,751	7,416	12,911	7,000	7,071	7,000	11,426	7000
	SUBTOTAL	-	26,253	22,849	40,539	26,675	26,263	32,076	33,458	42,500
STREET SIGNS & MARK	INGS				-					
01-03-01-07-001	SALARIES AND WAGES		6,382	3,039	3,307	2,755	3,108	3,741	2,559	3,795
01-03-01-07-002	OVERTIME WAGES	\$	200	(18)	23	30	43	30	23	15
01-03-01-07-010	ACCRUED EMPLOYEE BEN	\$	5,141	1,293	1,654	2,015	2,289	1,964	1,519	1,936
01-03-01-07-150	CONTRACT LABOR		527	55	-	150	-	150	•	150
01-03-01-07-160	REPAIR SERVICE		-	-	-	-	-		-	
01-03-01-07-210	OPERATING SUPPLIES		8,581	1,841	2,537	5,000	3,538	5,000	3,310	5,000
01-03-01-07-220	TOOLS/SMALL EQUIPMEN		-	63	-	-	63		-	
01-03-01-07-490	EQUIPMENT USE CHARGE		392	674	1,304	1,400	638	1,400	932	1,400
	SUBTOTAL		21,223	6,948	8,825	11,350	9,678	12,285	8,344	12,296
STORM DRAINAGE										
01-03-01-08-001	SALARIES AND WAGES		12,431	9,427	14,748	-	11,901	15,538	15,584	12,236
01-03-01-08-002	OVERTIME WAGES		309	2,456	226	615	582	600	340	600
01-03-01-08-010	ACCRUED EMPLOYEE BEN		11,203	9,566	17,776	12,550	11,824	12,252	4,680	13,088
01-03-01-08-142	PROF.SERV.ARCH.ENG.		392	(6,192)	-	12,000	-	12,000	-	-
01-03-01-08-150	CONTRACT LABOR		155	258	150	1,000	258	1,000	374	1000
01-03-01-08-170	MAINT AGREEMENTS & L	\$	-	224	-	-	-		-	
01-03-01-08-210	OPERATING SUPPLIES	\$	5,261	7,167	3,232	20,000	5,510	10,000	7,050	10,000
01-03-01-08-220	TOOLS/SMALL EQUIPMEN		87	604	52	100	87	100	52	100
	EQUIPMENT RENTAL					4,000	-			
01-03-01-08-490	EQUIPMENT USE CHARGE		3,615	3,386	4,001	6,000	3,721	6,000	4,973	6,000
01-03-01-08-509	MISCELLANEOUS CAPITA		•	32,929	66,000	8,000	32,065	35,000	66,000	66000
01-03-01-08-901	MISCELLANEOUS			-	-	-	-		1	
	SUBTOTAL	-	33,453	59,824	106,185	64,265	65,948	92,490	99,051	109,024

# City of Centralia

		Cal	iendar	Cal	lendar	Ca	lendar	FY	2018	FY	2017	FY 2	2017	FY	2016	FY2	2016
ACCOUNT NUMBER	R ACCOUNT TITLE	20	17	20	16	20	15	Bu	dgeted	Au	dited	Bud	geted	Au	dited	Bu	dgeted
BRUSH & TREE CON	ITROL						-										
01-03-01-09-001	SALARIES AND WAGES		1,813		2,005		4,651		3,050		2,054		2,500		4,742		2,500
01-03-01-09-002	OVERTIME WAGES				2,267		795		2,230		2,202		10		823		10
01-03-01-09-010	ACCRUED EMPLOYMEE BE		1,059		1,278		2,269		3,850		1,298		1,100		2,365		1,100
01-03-01-09-160	REPAIR SERVICE		-		57		-		50		-		50		-		50
01-03-01-09-170	MAINT AGREEMENTS & L		-		-		-		-		-				-		0
01-03-01-09-210	OPERATING SUPPLIES		1,499		1		59		800		615		150		111		150
01-03-01-09-490	EQUIPMENT USE CHARGE		924		1,025		1,170		1,300		892		1,300		1,674		1300
	SUBTOTAL	\$	5,296		6,632		8,944		11,280		7,060		5,110		9,715		5,110
	TOTAL (EXCLUDES MOWING)	\$	237,061	\$	390,845	\$	362,190	\$	256,916	\$	363,766	\$	326,972	\$	300,178	\$	349,433
CAPITAL SUMMAR	Y																
02-03-01-01-509	CAPTIAL EXPENDITURES	\$	210,752	\$	280,362	\$	162,871	\$	162,871	\$	162,871	\$	162,871	\$	162,871	\$	184,422
	TOTAL ALL EXPENDITURES	\$	447,813	\$	671,206	\$	525,061	\$	419,787	\$	526,636	\$	489,843	\$	463,049	\$	533,855

#### REVENUES

		Calendar	Calendar	Calendar	FY 2018	FY 2017	FY 2017	FY 2016	FY2016
ACCOUNT NUMBER	ACCOUNT TITLE	2017	2016	2015	Budgeted	Audited	Budgeted	Audited	Budgeted
02-03-01-41-520	TRANSPORTN SALES TAX	213,889	203,143	219,628	210,000	209,191	210,000	201,862	201,299
01-00-00-43-302	FEDERAL SRTS GRANT	2,435	123,047	11,298		125,482	125,580	11,298	11,200
02-03-01-43-650	COUNTY GRANT REVENUE	78,701	78,356	81,818	79,140	78,356	78,000	81,818	57,000
01-00-00-43-620	COUNTY ROAD & BRIDGE	64,408	62,860	61,523	64,000	62,860	64,000	61,523	72,752
	COUNTY REVENUES	\$ 143,108	\$ 141,216	\$ 143,341	\$ 143,140	\$ 141,216	\$ 142,000	\$ 143,341	\$ 129,752
	TOTAL ALL REVENUES	\$ 359,433	\$ 467,406	\$ 374,267	\$ 353,140	\$ 475,889	\$ 477,580	\$ 356,501	\$ 342,251



#### 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: 2017

Narrative for use of funds received Routine maintenance of roadways within the District including hauling gravel on unpaved roads, replacing road pipes, cleaning ditches, cutting brush, and mowing right of ways as needed. Also did overlay project on Gano Chance from the city limits to Jay Jay and Jay Jay south to the bridge.

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 is average to below average with about 25% of the blacktops needing

to be overlayed. 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. Hauled \$38,473.83 of rock on non-paved roads.

2. Replaced \$3,785.02 of road culverts.

3. Overlayed West Gano Chance from the city limits to Jay Jay and Jay Jay south to the bridge at a cost of \$180,723.65



#### ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

TOTAL

222,982.50

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

12/11/17 Date

\_\_\_\_\_

Title: Treasurer

Anthony Kendrick Printed Name \_\_\_\_573-881-2169 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>.

# City of Columbia

City of Columbia County Road Ta: Robaio - C00503 Cash Balances								
	Sept 30 2010	Sept 30 2011	Sepi 34 2012	Sept 30 2013	Sept 30 2014	Sepi 30 2015	Sept 30 2016	Sept 30 2017
Cash Rahara Perward	265,902.58	431,429.52		1,593,924.31	1,810,34141	406,396.32	427,395.55	61,405.99
Regipte								
County Read Tax Relate from Roose County Involvent Income	29,677.32	14,463,90	1,874,958,65	1,915,419,10	1,996,052.91	••••••••	*******	2,250,372.01
Total Receipts	******	*****	1,874,958,65	1,915,419.10	1,996,052.91	******	******	2,311,778.00
Diburamenta Transfer to Pand 440 (Capital Projects): C00128 Magnin: Bivd C00141 Mexico Gravel Rd C00149 Scott Rivd C00320 Rolling Hills Road C00319 Scott - Yawier to MKT PH II C00214 Scott-Vavier to KK III C00214 Scott-Vavier to KK III C00218 PairwiewChapel Hill Int O0231 Old Mill Ch/Wawier Int In C00244 Param & Green Meadow Int C00244 Stoche-Old Mill Ch-Nifg C00245 Vandwer & Parker RoandAll Transfer to Pand 110 (General Pand)		(90,113.23) (113,425.00)	1,369,965.66	(311,686.00)	(3,400,000.00)	*******	(123,464.00) (100,001.00) (110,000.00) (110,000.00) (350,000.00) (67,501.00)	(73,000.00) (500,000.00) (114,500.00) (73,000.00) (251,000.00)
Total Disbraments	*******	******	(88,69439)	******	(2,400,000.00)	*****	*****	(1,117,500.00)
Cash Islanza ii Yaar Ind	10.09.0		1 649 914 11	100304	406 106 13	477 100 00	41.485.99	1 194 278 00



#### **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, 2016 - June 30, 2017

Narrative for use of funds received - Grant funding was used for pot hole repair and sidewalk repair.

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

The streets, both asphalt and concrete curb and gutter are in good condition. Overlay and crack repair were completed in 2015.

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 City spent \$35,678.09 from the City's General Fund for general street upkeep and repairs. There were no projects funded from the grant for fiscal year 2016/2017. Additional repairs to roads included gravel added to alleyways and sidewalk repair for a total of \$1,789.20. The total spent in fiscal year 2016/2017on roads were \$37,467.29.



#### ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

\_Carry over from fiscal year 2016/2017 was \$83,4845.37. The City completed an alleyway improvement project and purchased a snow plow truck in the fiscal year 2017/2018 with the carry over and new grant funds.

TOTAL \_\_\$1,789.20 from Road Grants and \$35,678.09 from General Funds

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.

11-15-17 Signature Date City Administrator/City Clerk Title 573-696-3885 Jample henye dqway Day Time Phone number Printed Name

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>.



#### **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: 2016 (For Money Received 2016 and prior)
New-time for the opening of final and the second
2013, 2014, 2015 and 2016 Street Project Funds are being retained
in separate accounts to accumulate for a larger project.
Narrative on overall condition of roads and bridges within reporting municipality:
Waiting on a report from Crockett Engineering for repairs on
Craigview and sealing and filling praces city-wide.

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 - Greet Maintenance - including Snow and ice removal: # 4.445.44 2013 Street Project (\$12,839.36 awarded)-saved separate ledger to accumulate. funds for ovoiect 2014 Street Project (#13,917, Ole awarded Saued in a funds accumulate aval Paces. to

• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••
Annual Report	Town of	
	Harrisburg	

#### ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

- /
2015 Street Project (#13, 107, 22 awarded) - Saved in a
Separate ledger to accumulate fands for a
laiger project.
2011 Street Project (#13386 73 awarded) - saved in
Seconsta ladare do cacinanta funde for
a separare reager to procumulate mins to
a larger project-
TOTAL # 4,445.44
L 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.
Kortin Williedge 12/15/17
Signature Date
Office Clerk
Title
Kathy Wilhite 573-874-0138
Printed Name <sup>1</sup> 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>.



#### **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:	Cety	of Raches	lort.	
Reporting on Calend	dar Year:	2016		

hip/seal - Maintenance

Narrative for use of funds received

Narrative on overall condition of roads and bridges within reporting municipality supertion ands most streets

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 description schepart did nat perform enn accomple 1 to treet work.

Annual Report	City of Rochebor	
••••••		2017
	ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2	

The city does not at this time have any
figures for the 2018 projects
TOTAL
I declare that I have examined this report, including accompanying schedules and statements, and to the best of my knowledge; certify that the information provided above is true, complete and accurate.
Sherley Jenkens-Ood, 11-17-17
Signature Date Date
Title leter Clerk,
- jung runn
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>.



#### **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: <u>City of Sturgeon</u>
Reporting on Calendar Year:
Narralive for use of funds received <u>Chip 4 Sen) Broject</u> for 2018-2019
Narrative on overall condition of roads and bridges within reporting municipality:
PLICE PLICE TLOOR DOLB- DOLG

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 for this year we want to bank funds We didnit do any work The City of Sturgeon Project 4.Smal Missouri Petrole ASeal 2015-2019



ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

			_	
I		 		
1				
1				
J				
-		 		
-		 		
			-	
-			 	
-				
	_			
	_			
				5
				\$
				,

TOTAL \$ 65,000.00

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.

<u>ו (בו</u> Date Signature Title mi Dupenintendent John Coingeric < . 573-687-3321 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>.



- Village of Hartsburg
- Village of Huntsdale
- City of McBaine
- Village of Pierpont



## Office 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

<u>Responsibilities</u>

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

#### Boone County Public Works 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

#### **Mission:**

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

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

www.showmeboone.com/resourcemanagement

www.showmeboone.com/publicworks

www.facebook.com/pages/Boone-County-Missouri-Public-Works