Fiscal Year2015



Boone County Road & Bridge Annual Report

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

Road & Bridge Vision Statement

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

Letter from the Chief Engineer

Dear Boone County Commissioners and Boone County Residents,

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The Boone County Resource Management – Engineering Department is pleased to present our Annual Report which highlights major activities and accomplishments for fiscal year 2015. Our mission is to maintain and improve the County's 750+ mile road network. The department has grown confident that the programs that have been developed in the past 3-4 years remain the core reason for our success. This success stems from the ability to remain PROACTIVE!

The Bridge Rehabilitation and Replacement Program is now coming up to speed. This effort encompasses efforts from replacement of small culverts to hydro-demolition of bridge decks. Over 450 structures (greater than 4 feet diameter but less than 20 feet in span length) were identified. This plan has gotten off to a good start. Ninety-nine percent of the identified culverts have been inspected. This data will allow a proactive work plan to be developed over next few years. A GIS layer exists that allow maintenance operations to identify structures with issues. This layer allows each department to identify targeted structures and assign responsibility for which department will address.

Of course, the old programs of pavement preservation, asphalt and concrete road rehabilitation, along with concrete panel replacement are continuing to function well. The majority of the planning was done last summer and fall, with the budget process. This collaborative planning effort was mentioned several times in last years annual report by Chet Dunn and the maintenance employees at Public Works. Staff is already bidding some projects.

The continued buy in from the Commission is the key. The identified continued funding facilitates long term planning and allows flexibility in adapting to obstacles introduced by Mother Nature. For this we are thankful.

In closing the dedication of all our employees plays an integral part in our accomplishments, for without them none of this is possible. Together we will continue to provide a safe, modern, well maintained transportation system by serving the citizens of Boone County with excellence and integrity. Experience teaches us that the coming year will present its unique challenges as it will also provide opportunities to excel. Thanks again for the support and the occasion to serve.

Respectfully,

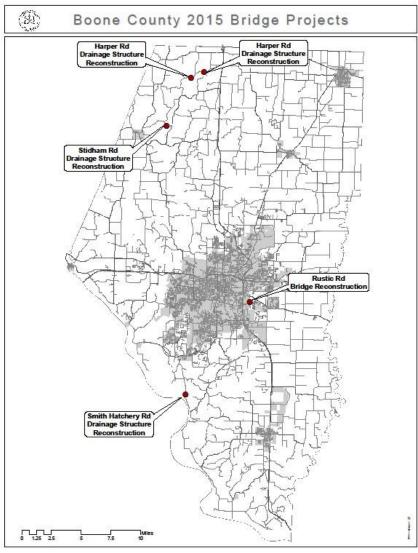
Derin Campbell, P.E.

Fiscal Year2015 Expenses

Requirement #1

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

Drainage Structure: a term to include both bridges (a structure having a span greater than 20 feet measured on a horizontal plane along the centerline of roadway; width from one side of the structure to the other) and culverts (a structure not classified as a bridge that provides an opening under a portion of a roadway)



Stidham Road and Harper Road Drainage Structure Improvements

Refinement and classification of our culvert database allowed us to identify 3 culverts that were in close proximity to each other, of similar size and having similar drainage issues. Thus we were able to develop one design that could be used 3 times, with minor changes for each location.

This project involved replacement of existing roadway culverts with a single CMP (corrugated metal pipe) arch culvert at one location on Stidham Road and two locations on Harper Road. The single pipe arch design should reduce the frequency of debris clogs on the upstream end and reduce maintenance costs.



Photo to the left is debris that had to be cleaned up before work could begin at one of the project sites.

Harper Rd #1501—54 feet long

Harper Rd #2242—52 feet long

Stidham Rd #10000322—76 feet long

Boone County has approximately 485 drainage structures that are at least 4 ft wide but less than 20 ft wide.



The photo above is an example of the culverts that were removed.

The picture to the right shows the working conditions and size of the replacement

Below is the completed project at one of the sites.





Mother Nature decided to unleash an unusually wet December in 2015.

Smith Hatchery Road Drainage Structure Improvement

North of Cooper's Landing Marina and Campsite on Smith Hatchery Rd. lay two 8' diameter corrugated metal culverts. These culverts carry the Mayhan Branch under the road, and were in a significant state of corrosion. The corrosion had reached a point that the bottom of the pipes, also known as the inverts, had been completely eaten away. Given enough time and enough loss of material, the pipes would lose their structural capacity, collapse and cause a public danger. It was decided the Smith Hatchery culverts were to be replaced before this danger could occur.

The project was designed by Boone County Resource Management staff and called for the existing twin 8' diameter culverts to be replaced with a single 12' diameter, aluminized, corrugated metal culvert.

Smith Hatchery Road Drainage Structure Improvement

The aluminized coating can provide better corrosion protection and longer service life when compared to the traditional galvanized coatings of the existing culverts. This is important for the project given its close proximity to the Missouri River. The water levels of the Missouri River dictate the levels of the Mayhan Branch. If levels are high on the river, water can back up in the channel until the river recedes and allows the channel to drain. The design also called for the use of a single barrel culvert, as opposed to multiple barrels. During storm events a single large opening has less chance of clogging from floating debris than multiple small openings.

Construction began in early December, when traffic would be minimal and the water level should be low in the project area. However, Mother Nature decided to unleash an unusually wet December. These conditions have caused significant delays to the project. At the time of this publication, the project is still under construction. Boone County staff and the contractor are still striving to deliver a quality product given these difficult circumstances.

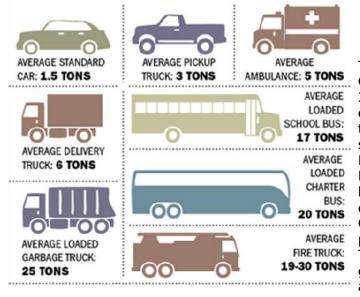


Smith Hatchery Culvert to be replaced

Rustic Road Bridge

American Consulting
Engineers Council of
Missouri
2016 Engineering Excellence
Award Competition - Grand
Conceptor or Grand Award
Recipient!

Approximate vehicle weights



Rustic Road Bridge

The 1950 structure over the North Fork of the Grindstone Creek on Rustic Road had been reduced to a 3 ton weight limit, creating concerns for conducting everyday life. As depicted in the map on the next page, there were a number of residents that would be stranded without the bridge. The project to replace the Rustic Road Bridge was a true collaboration. County Maintenance Operations Staff constructed a temporary bypass allowing those residents to proceed as normal during the replacement. Boone County and the City of Columbia partnered on both work and funding for the part of the project not covered by a federal IBRD grant. The IBRD (Innovative Bridge Research and Deployment) grant was awarded for the use of innovative abutment and superstructure design elements.

Boone County - Rustic Rd Bridge Replacement



Photo to the right
Building the abutment with
the temporary bypass in
the background



Old abutment with bridge deck removed

<u>Abutment:</u> a substructure at the ends of a bridge span or dam whereon the structure's superstructure rests or contacts <u>Girder</u>: a large iron, steel, concrete or wood beam or compound structure used for building bridges (source: Wikipedia)



New abutment Rustic Rd Bridge



New Girder Rustic Rd Bridge





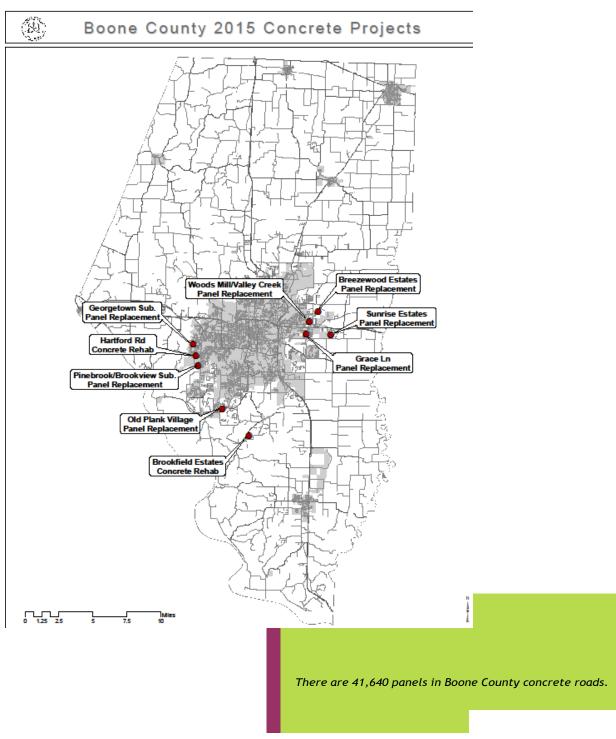




Placing girders Rustic Rd Bridge



Completed Project Rustic Rd Bridge



The management of concrete roads is much different than asphalt roads. Concrete roads tend to stay in good condition for a long time, then fail very quickly. Due to the nature of the material, the idea of low cost preventative maintenance treatments is not really applicable. Boone County's management of its concrete roads currently focuses on the systematic replacement of failed panels. These replacements are done with two basic mechanisms, targeted panel replacements and rehab projects.

Targeted Panel Replacement

Targeted Panel Replacements involve 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 Maintenance Operations Department. In 2015 approximately 311 panels were replaced by contractors.

The photo to the far right shows the inspection ratings for that section of road.

Concrete Panels Rating

Go

Good

///// Damaged

Replace



Targeted Panel Replacement Areas 2015

Georgetown Subdivision

Grace Lane

Pinebrook/Brookview Subdivision

Old Plank Village

Sunrise Estates

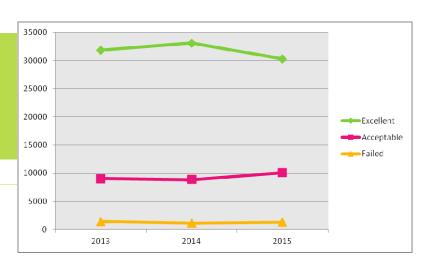
Breezewood Estates

Woods Mill/Valley Creek

Work in these areas was performed by a contractor and inspected by Resource Management Road Construction Inspectors

Year	Excellent	Acceptable	Failed	Total
2013	31,839	9,020	1,402	42,261
2014	33,070	8,834	1,137	43,041
2015	30,270	10,092	1,278	41,640

The graph to the right illustrates both the quick change in rating that can occur with concrete roads; and that the Boone County approach to maintaining concrete roads has allowed us tokeep over 95% of our concrete panels in acceptable or better condition.



Concrete Road Rehab Projects

Concrete Road Rehab projects are a much larger scale of removal of failed panels and replacement with new pavement. These projects typically encompass an entire neighborhood. The new pavement could be conventional concrete, full depth asphalt, or Roller Compacted Concrete (RCC) topped with a 2" asphalt wearing surface. In 2015 Concrete Road Rehab projects were performed in Brookfield Estates Subdivision and on Hartford Rd. (Cul-de-sac north of Salem Dr. only) in Meadowbrook West Subdivision.

Brookfield Estates



In Brookfield Estates extensive partial and full depth patching and resurfacing was performed.



Concrete Road Rehab Projects

Hartford RdCul-de-Sac





The cul-de-sac at the end of Hartford Rd. in the Meadowbrook West subdivision was showing signs of deterioration in the form of excessive cracking in the concrete pavement and curb. The cul-de-sac was also the only section of concrete roadway in the subdivision, whereas the rest is asphalt. This becomes problematic given concrete and asphalt are treated differently in terms of maintenance and preservation. Due to the deterioration and differing materials, it was decided the cul-de-sac should be replaced.



of asphalt pavement over 4" of stone base. The design also called for lowering the curb height across all driveways in order to provide a smoother transition from the road. Provisions were put into the project to add an additional 4" of stone base and a layer of geogrid fabric under the pavement in case soft sub soils were discovered during construction.



Construction began and soft sub soils were present so the additional stone base was needed. It was also discovered that a large area of wet, soft clay existed which would require even more stabilization efforts before paving operations could take place. Despite these unforeseen issues the project was still completed on time.



Asphalt Rehab Project

Mexico Gravel Road



In 2015 an Asphalt Rehabilitation Project was performed on Mexico Gravel Road. Full Depth Reclamation was used on a portion of the project that was severely distressed. In this process, the existing pavement, gravel base, and sub-grade are pulverized and combined with cement and water and compacted into a stabilized base. Following curing, an asphalt overlay is installed for the driving surface. For the rest of the project, spot patching and an asphalt overlay were performed. Approximately 0.8 mile received the Full Depth Reclamation; 1.3 mile received patching and overlay.

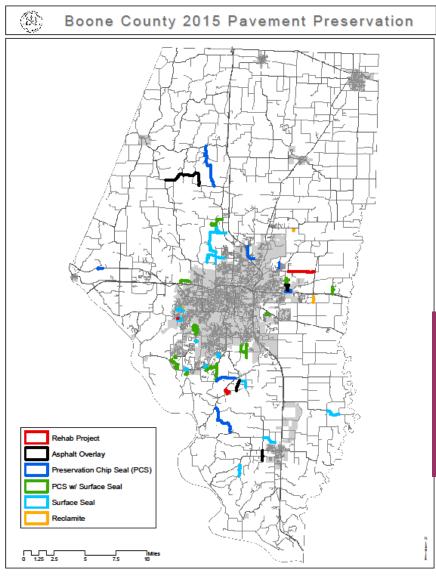


Single Asphalt Rehab Project .8 mi FDR, 1.3 mi overall treatment

Cost \$409,238



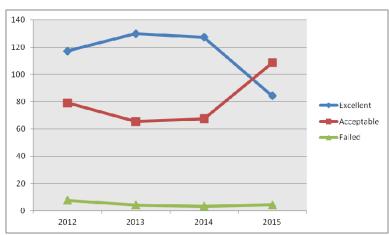
Pavement Preservation Projects



In 2015 the Pavement Preservation
Program continued to make progress
in its mission of protecting the
investments made on asphalt roads
and extending the life of those
roads. The basic tactic in pavement
preservation is to perform lower cost
treatments to roads while they are in
good condition to keep them in good
condition rather than performing
higher cost treatments to roads in
worse condition.

The graph below illustrates that the Boone County approach to maintaining asphalt roads has allowed us to keep over 95% ofour asphalt roads in acceptable or better condition.

Year	Excellent	Acceptable	Failed	Total
2012	117.10	79.08	7.59	205.54
2013	129.91	65.41	4.25	199.57
2014	127.21	67.39	3.33	197.93
2015	84.17	108.49	4.44	197.10



Pavement Preservation Projects

Preventive Maintenance Performed in 2015

Asphalt Overlay

Asphalt overlays are performed on roads that exhibit some moderate distress and smoothness irregularities, but otherwise are in good condition. Typically 2" of new asphalt mix is placed on the road surface. In 2015 approximately 6.9 centerline miles of road received an asphalt overlay.







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. 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 2015 approximately 28.4 centerline miles of roads received a Preservation Chip Seal treatment.

Fog Seal – GSB-88

Fog Seals are performed on roads in excellent condition. Currently, every road that receives a Preservation Chip Seal is planned to also get Fog Sealed in the same or following construction season. This type of treatment using GSB-88, a gilsonite asphalt based sealant, was first used on Boone County roads as part of the Asphalt Pavement Preservation Program in 2011. It has been used to supplement and extend the life cycle of Preservation Chip Seal treatments. In 2015 8.7 centerline miles of roads were treated with a GSB-88 Fog Seal treatment.

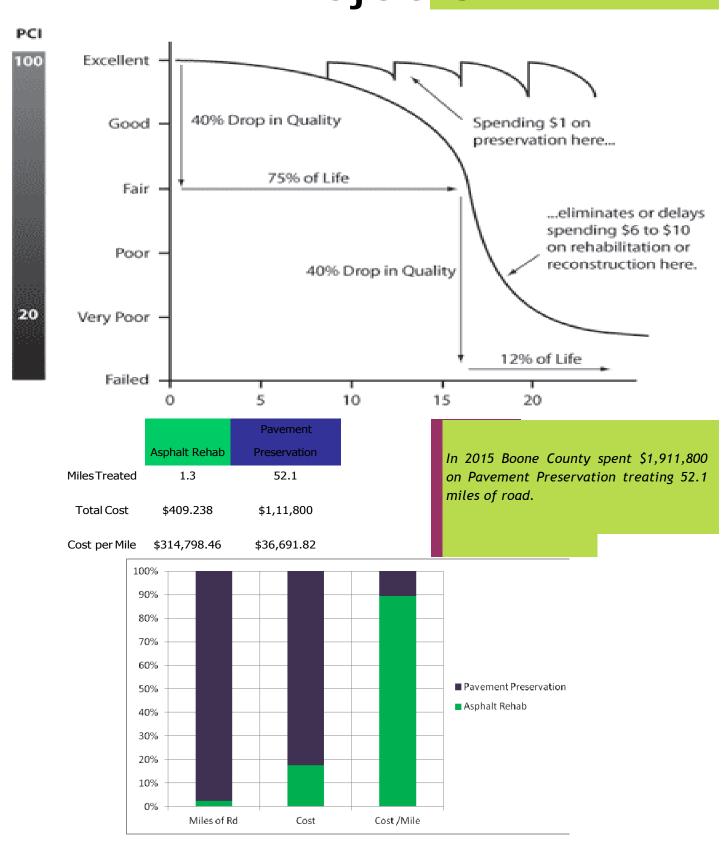
Onyx Surface Seal

As with the Fog Seal treatment using GSB-88 material, the purpose of this treatment is to supplement and extend the life cycle of Preservation Chip Seal treatments on roads in excellent condition. Onyx Surface Seal is applied similar to a fog seal with the same intended purpose. In 2015 22.8 centerline miles of roads were treated with an Onyx Surface Seal

Reclamite Treatment

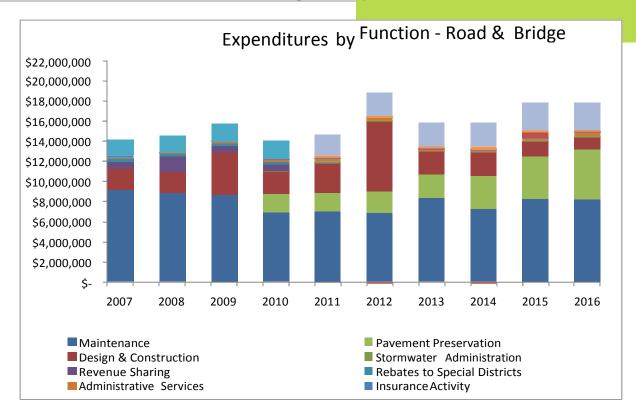
Reclamite is a rejuvenator type surface treatment. Rejuvenators are designed to restore asphalt pavements to a better condition by replenishing asphalt components that have been lost to oxidation and wear or were never present. Reclamite is applied to pavements in excellent condition. In 2015 2.0 miles were treated with Reclamite.

Pavement Preservation Projects

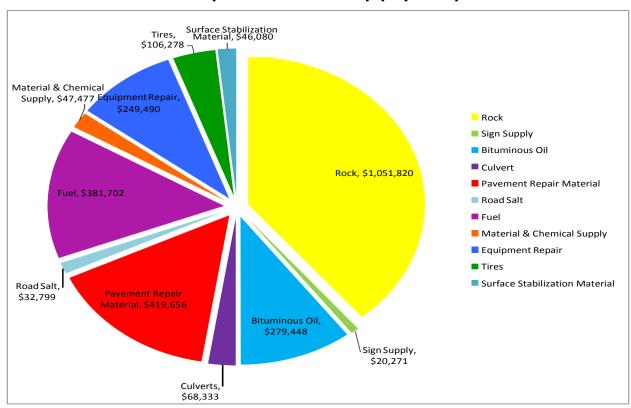


Road & Bridge Expenses

Total Road & Bridge Expenditures in 2015

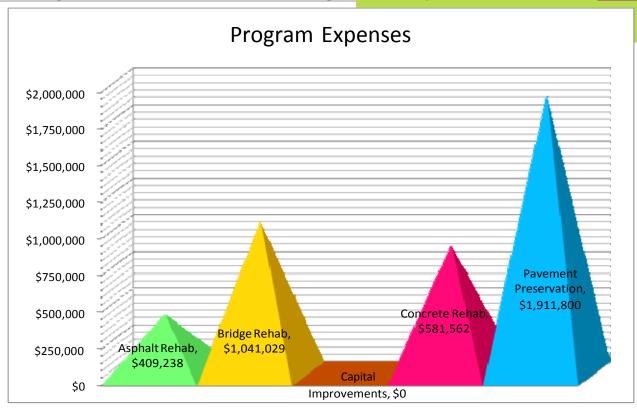


Major Maintenance Operations Supply Expenditures 2015

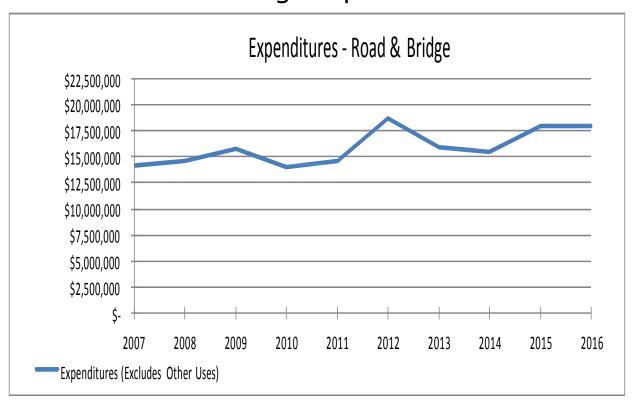


Road & Bridge Expenses

Design & Construction Program Expenditures 2015



Total Road & Bridge Expenditures in 2015



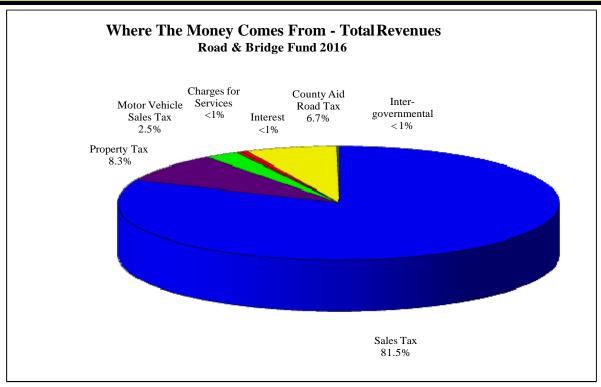
Fiscal Year 2016 Plan

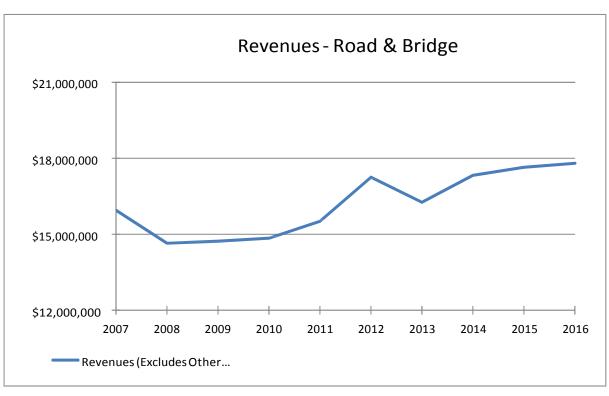
Requirement #2

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 currentyear.

2016 Work Plan Where the Revenue Comes From

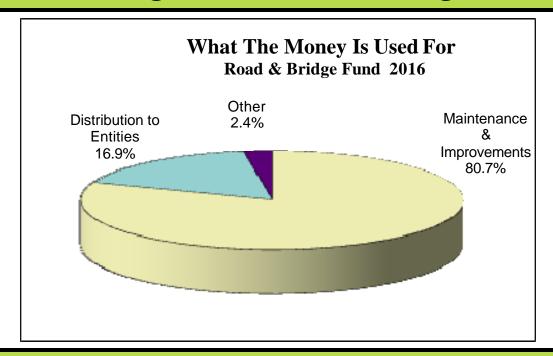
Total Projected Road & Bridge Revenue in 2016



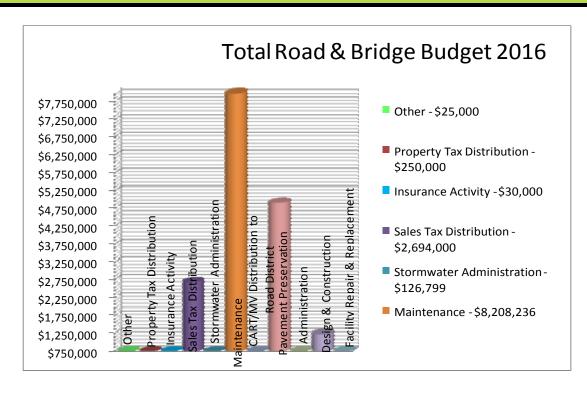


2016 Work Plan Wherethe Money Goes

Overall Budget for Road & Bridge in 2016



TotalRoad&BridgeDistributionin2016



2016 Work Plan

Projects in Development

Pavement Preservation Projects

These projects are currently under design and proposed to be constructed in 2016 78,628 sq yd of Asphalt Overlay 286,861 sq yd of Preservation Chip Seal 460,794 sq yd of Surface Sealing

Asphalt Rehabilitation Projects

These projects are currently under design and proposed to be constructed in 2016
South Cowan Road

Concrete Rehabilitation Projects

These projects are currently under design and proposed to be constructed in 2016
Willow Brook Subdivision
Shalimar Subdivision
Projects estimated to replace 5,600 sq yd of concrete

Individual Panel Replacement is projected to be 200 panels

Drainage Structure Projects

These projects are currently under design, in the right of way acquisition phase or under contract and proposed to be constructed in 2016 or 2017

W. Red Rock Road Bridge #BR0470006

E Mount Zion Church Bridge #BR2750020

Gillespie Bridge #BR4720012 Abutment Modification

& Hydro-demolition

Calvert Hill Road Bridge #BR450009 Hydro-demolition

Marshall Lane Culvert #2076

Rangeline Rd Bridge #BR3380002

Remie Rd Bridge #BR2650011

Mexico Gravel Bridge #BR3070006

McBaine Bridge #BR48700342 approach repair and stabilization

Hill Creek Rd Bridge #BR5020005

A number of other large culverts are currently under evaluation for replacement

Capital Improvement Projects

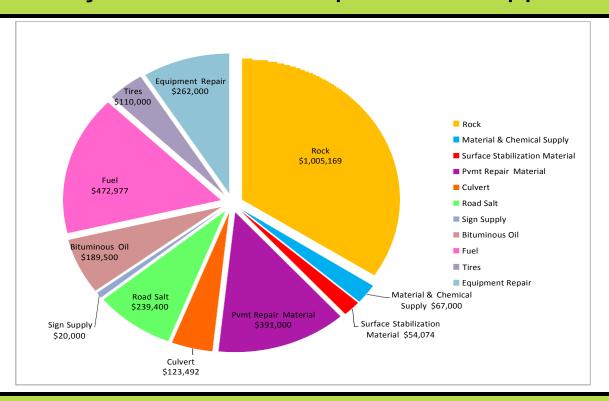
These projects are currently under design, in the right of way acquisition phase or under contract and proposed to be constructed in 2016 or 2017

Boone Industrial Intersection Repair

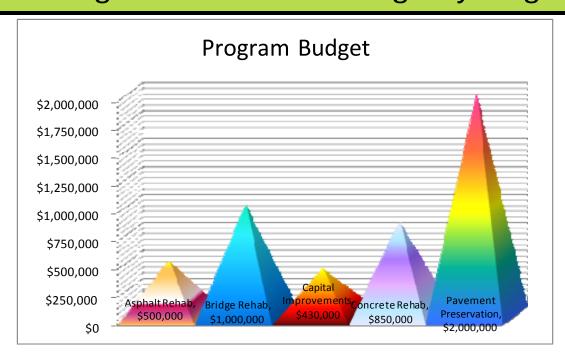
Waters Edge Drainage Improvements

2016 Work Plan Where the Money Goes

2016 Major Maintenance Operations Supplies



2016 Design & Construction Budget by Program



Fiscal Year 2015 Condition

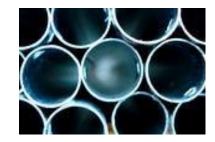
Requirement #3

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

Roads, Bridges & Culverts







Total Miles of Road Maintained by Boone

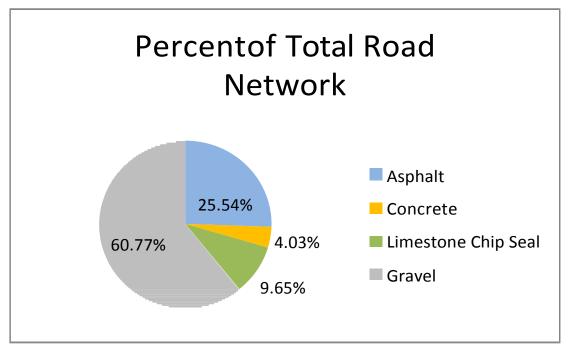
Surface Type	Total Miles	Percent of Total Road Network	Change in Total Miles from 2014
Asphalt	197.1	25.54%	-0.83 Miles
Concrete	31.1	4.03%	-1.16 Miles
Limestone Chip Seal	74.5	9.65%	-0.51 Miles
Gravel	469	60.77%	0.8 Miles
	771.7	99.99%	-1.7 Miles**

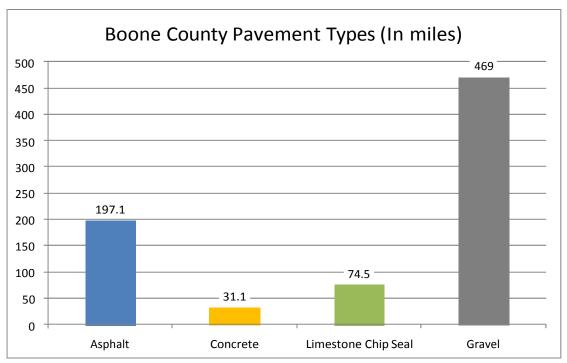
^{**}Total miles of County Maintained road change due to error corrections, to annexations and acceptance of roads built by someone other than the County.

The following charts are based on information stored in Cartegraph, our infrastructure database program. These figures only represent 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 included 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 an Asphalt surface and therefore combined with the Asphalt category in these statistics.

Roads, Bridges & Culverts

Total Miles of Road Maintained by Boone





Roads, Bridges & Culverts

Ratings for roads and bridges are done in several different ways. The method varies based on the type of road or the size of bridge.

Asphalt Surface Ratings

Asphalt Roads are inspected by segment and their conditions are based on curves that also account for work done on the

segments. This value is generated by Cartegraph and the

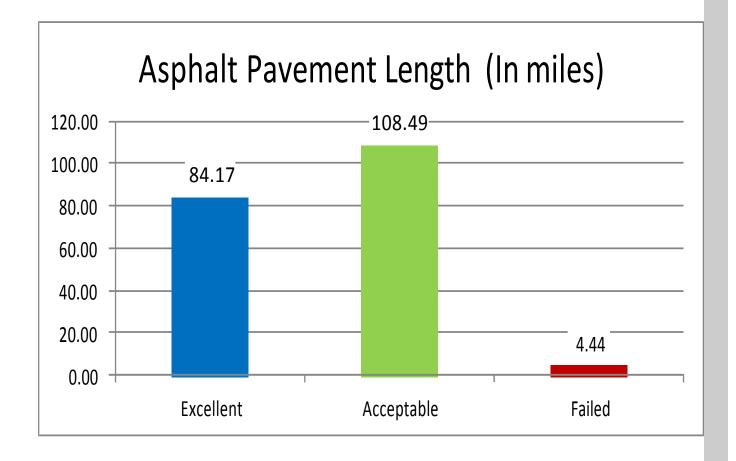
following values are used for the classes.

Excellent is any OCI value that is 85 and above

Acceptable is an OCI value between 55 and 85,

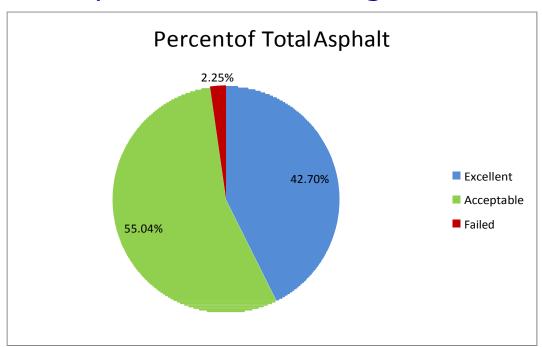
Failed is anything less than 55

(OCI = Overall Condition Index)

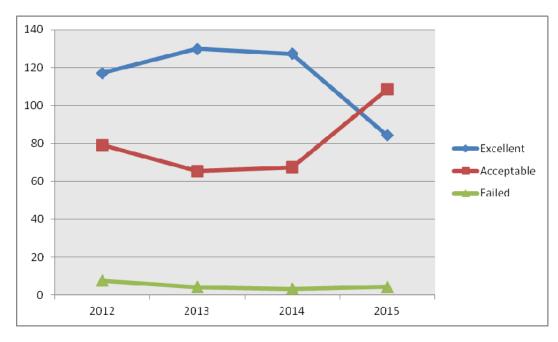


Roads, Bridges & Culverts

Asphalt Surface Ratings 2015



Asphalt Surface Ratings 2012-2015

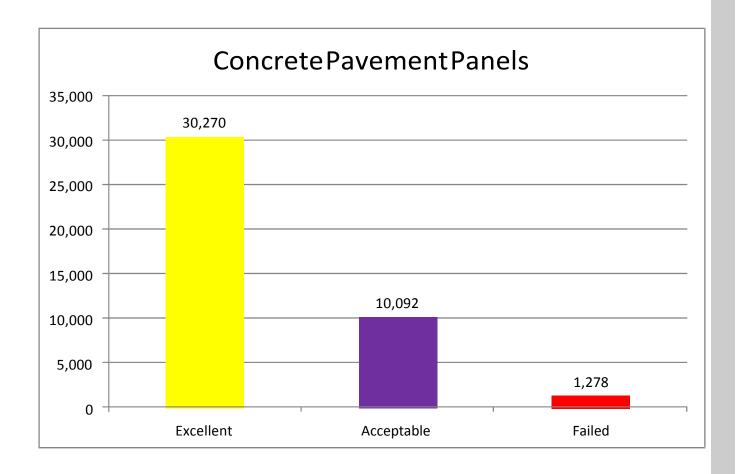


Roads, Bridges & Culverts

Concrete Panel Ratings

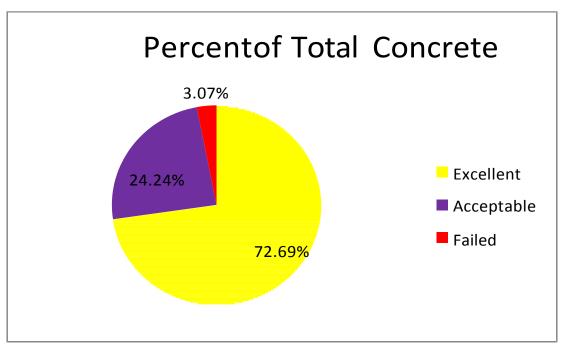
Concrete roads are not inspected the same as the asphalt roads and therefore cannot be compared the same way. Concrete roads are inspected by each individual panel. The ratings below are based on the panels in each category and not in road miles.

Good means panel has no damage Acceptable means panel is damaged Failed means panel needs replaced

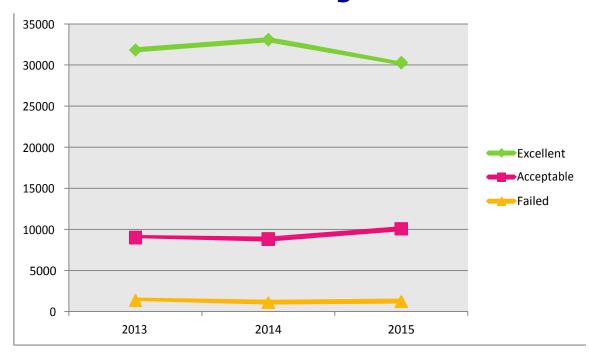


Roads, Bridges & Culverts

Concrete Panel Ratings 2015



Concrete Panel Ratings 2013-2015



Roads, Bridges & Culverts

Bridge Ratings

Bridge ratings are based on MoDOT inspections that are performed every other year. The most recent inspections were performed in 2015. From the MoDOT inspections the Deck Condition, Substructure Condition, and Superstructure Condition are rolled into an average value based on a 0-100 scale. This value is generated by Cartegraph and the following values are used for the classes.

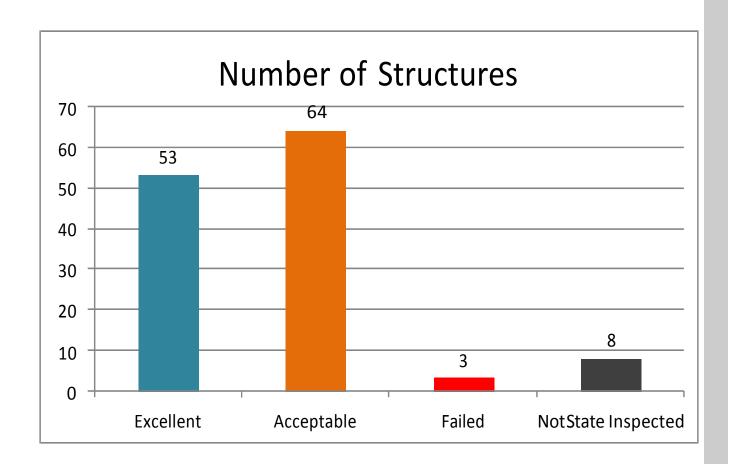
Excellent is any OCI value that is 75 and above

Acceptable is an OCI value between 50 and 75,

Failed is anything less than 50

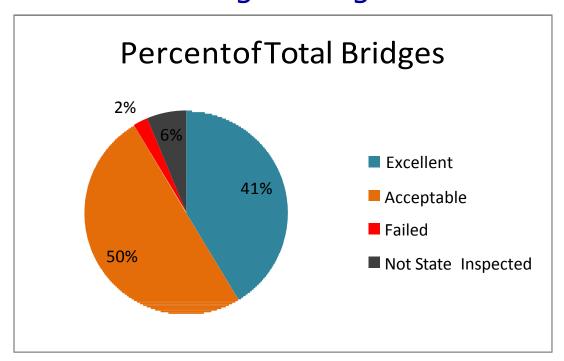
(OCI = Overall Condition Index)

Not all of the structures called bridges are inspected by MoDOT due to size requirements. Bridges must be a minimum of 20 feet long to be inspected by MoDOT. Structures not inspected by MoDOT are therefore separated out in the following statistics.

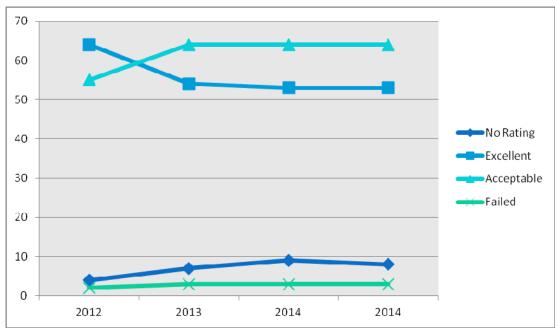


Roads, Bridges & Culverts

Bridge Ratings



Bridge Rating Comparison 2012-2015



Fiscal Year 2015

Additional Responsibilities

*Surveying

*Stormwater

*StormwaterGrants

*Sales Tax Distribution

Surveying

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
- Placed permanent monuments in the position of selected corners of the Public Land Survey System (Section and ¼ Section Corners) as part of the Missouri Department of Agriculture County Surveyor Co-op Program
- Represented Boone County Public Works at concept reviews held by the Boone County Planning Department for review of upcoming developments
- Responded to 4 inquiries for NID's. One, to date, has applied for County assistance
- Attended the National Society of Professional Surveyors conference in Washington D.C., with
 visits to Capitol Hill to help lobby for new legislation regarding the FLAIR act to create an
 accurate inventory of all real property owned by the U.S. Government, the 3DEP program which
 would create a national elevation system, and a Pipeline, Utilities and Infrastructure bill to have
 better data regarding precise locations of pipelines and other utilities

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, accompanied 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 (these are required when preparing many of the administrative surveys) were reviewed
- Assisted other county departments by reviewing and staking for various components of the County 911 center

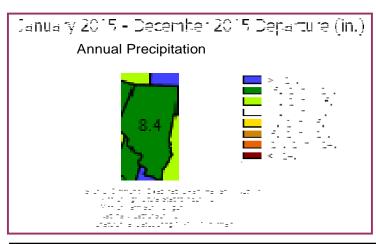
Stormwater

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 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.

In order to fulfill its permit requirements, Boone County has implemented Minimum Control Measures (MCM) set by EPA, which are expected to help significantly reduce pollutants into receiving water bodies. The following pages provide a brief overview of the Boone County Stormwater Division's effort to execute our permit requirements.

Stormwater

Public Education & Participation

Boone County Stormwater Division presented an interactive participation activity using the county stream table to demonstrate the effects of watershed erosion, pollution, and civic responsibility to the following groups:

• Southern Boone Elementary School Ashland, MO – 4th Grade Scientist Week — 134 students were in attendance



- Sturgeon Goalseekers 4-H 65 parents & children saw this program
- Columbia Home Educators Science Fair this program served 30 families and a total of 112 individuals



- Columbia Home School 20 parents and children were involved in this program
- Columbia Earth Day—Boone County Stormwater was on ECO Avenue along with other educational activities



• Rock Bridge State Park Water Festival - this program reached approximately 150 parents and children

Public Education & Participation Cont'd

• **Douglass High School Science Expo** — This was the first time the school has hosted this event. English as a Second Language students from ten (10) international countries, accompanied by interpreters, were part of the 47 students and 15 faculty members who participated in our presentation.



Informational presentations were also made to the following groups:

- City of Columbia Energy and Environment Commission Meeting
 Boone County Stormwater Coordinator gave a presentation on the rules and regulations of
 stormwater and land disturbance in Boone County. Topics included types of permits needed, the
 County's right for inspections, and the violations and potential enforcements that take place if an
 area is not treated properly.
- Southern Boone Elementary School Ashland, MO 4th Grade Science Teachers
 Boone County Stormwater Educator presented and trained the 4th grade staff on five (5) activities
 from the Project Wet Program.
- Columbia Public Schools (CPS) Science Teachers
 Boone County Stormwater Educator presented information and overview of the Project WET/PLT curriculum to the CPS science teachers during an in-service day. 35 teachers attended.
- Annual Right-of-Way & Utility Meeting
 Boone County Stormwater Educator 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.
- MACC Conservation Biology Class

 Boone County Stormwater Educator presented a historical overview of the Clean Water Act and how it is still relevant to current local watersheds. This program served six (6) students studying to enter environmentally related fields.

Public Education & Participation Cont'd

Education materials distributed include:

• Stormwater Newsletter – Winter

The winter newsletter included winter safety on the road; health safety with snow shoveling and carbon monoxide; proper deicing using salt and the environmental impact of salt use; preventing roof collapse by safely removing ice and snow build up.

Stormwater Newsletter – Spring

The spring newsletter included environmental education projects within Boone County schools; rain barrel sales information, as well as proper care of your rain barrel; and algal blooms – causes, treatment, and physical hazards related to them.

• Stormwater Newsletter – Summer

The summer newsletter included information on the positive effects of flooding for our natural waterways; the effects of mosquitoes and how to properly protect yourself from their harmful bites; a follow up on harmful algal bloom treatment; and how to avoid stoppages in sewer lines by common household choices.

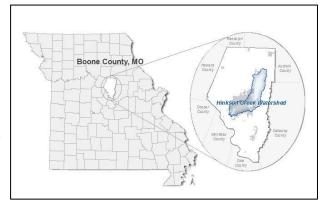
Stormwater Newsletter – Fall

Fall clean water tips opened up our fall newsletter and also introduced our newest team member Boone County Urban Hydrologist, Lynne Hooper. Fall leaf clean up and yard care was also revisited, including proper uses of leaves and fertilizer application. Finally, the topic of microbeads in household beauty products and their effect upon the environment wrapped up the year of newsletter education.

CAM StoryMap

The Urban Hydrologist for Boone County, conducted a Physical Habitat Assessment (PHA) of Hinkson Creek for her Master's thesis research. The PHA was funded by the University of Missouri, the City of Columbia and Boone County as partners in this Hinkson Creek Collaborative Adaptive Management (CAM) project. Using photographs taken along the entire length of Hinkson Creek, a StoryMap Tour was created that will soon be featured in the Stormwater section of the Boone

County website, Resource Management page. The photographic tour showcases the beauty of Hinkson Creek including wildlife observed during the PHA and also illustrates some of the problems in the creek including eroding stream banks and highly sedimented reaches of stream bed. Various surrounding land use types are also compared with adjacent views in the creek. The StoryMap Tour will be available for public viewing after final approval by the CAM stakeholder Committee.



• Boone County Stormwater Website

The stormwater website underwent substantial changes again this year. Although still under construction, the site is a clearinghouse for the stormwater and stream buffer ordinances, stormwater design manual, stormwater hydraulic calculations, permits, and more. The website also provides information on upcoming events, environmentally sensitive areas, and stormwater education.

Public Education & Participation Cont'd

Educational tours were also given:

• CAM EPA/DNR Tour

The CAM Action Team took the Environmental Protection Agency (EPA) Region 7 Acting Director Mark Hague, Missouri Department of Natural Resources (MDNR) Director Sara Parker Pauley, and a representative from Senator Claire McCaskill's office on a tour of Hinkson Creek and associated sites including Twin Lakes Recreation Center, Forum Nature Area Level Spreader, 3M Wetlands, Hinkson Creek Recreation Area, Columbia Fire Station #7, and the bridge at N. Hinkson Creek Rd. 29 people were in attendance.



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 also the CNG refueling station. This program served 30 students studying a range of environmental and engineering fields

Public Involvement Opportunities

• City of Columbia/Boone County Rain Barrel Sale

This year's annual Rain Barrel Sale sold 150 units. Two (2) sizes were offered this year with the addition of gutter diverters and the convenience of online ordering. Due to the substantial amount of rain throughout the spring and early summer months sales were less than they had been in previous years.

• Area-wide Household Hazardous Waste Collection Event

The household hazardous waste event was initiated by Boone County, City of Columbia, and MU, and held in coordination with the Mid-Missouri Solid Waste District. More than 125 tons of waste was collected and properly disposed of or recycled.

MS4 Compliance

Inspections and permitting are vital in evaluating the effectiveness of stormwater controls and (BMP's) best management practices used. Reviewing (SWPPP) stormwater pollution prevention plans and site plans prior to construction allows us to assist the public with development plans that ensure growth and improvement occur while also controlling stormwater and protecting the environment.

STORMWATER PROGRAM COMPLIANCE							
	SWPPP's Reviewed	Pre- Application Meetings Held	Land Distur- bance Permits Issued	Stormwater Discharge Per- mits 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

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 met 10 times.

Staff Training Opportunities

• Boone County Land Disturbance Permitting Procedure Refresher

Boone County Stormwater Coordinator provided a refresher course regarding the issuance of land disturbance permits and the proper procedural actions to complete this permit. Regulations regarding which projects require a land disturbance permit and environmentally sensitive areas as they pertain to land disturbances were also discussed. This training served eight employees of the Resource Management Department.

• Boone County Public Works Safety Day

Boone County Stormwater presented an overview of Spill Prevention Control and Countermeasures (SPCC) training as it pertains to the county's Public Works operations and its facilities. Employees were given possible scenarios and large group discussions took place to problem solve and implement the proper procedures to be used in case of an accidental spill. This program served 55 employees.



Staff Training Opportunities

Project Wet Training – Wetland Habitat Protection

The Boone County Stormwater Educator attended a continuing education program presented by the Missouri Project Wet Program. Topics centered on Wetland and Native Glade Habitat Protection.

• El Chaparral Tree Planting

In an effort to assist with a low lying area in the El Chaparral neighborhood park that was holding water, three river birch trees were planted in order to aid in water absorption, soil stabilization and beautification. This project was in collaboration with Boone County Facilities Maintenance.

• MWEA (Missouri Water Environment Association)

Stormwater staff attended the MWEA conference in September to learn about stormwater practices and stormwater related topics currently in use throughout the state.

REGFORM

Stormwater staff attended Missouri REGFORM in September to learn about EPA stormwater rulings and other stormwater related topics.

• 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. This program served 26 individuals.

• Boone County GIS Training – Getting to Know ArcMap... Just the Basics

New ArcMap users learned basic skills to work with data and create map projects that are sharp and do not fall flat. Topics included main components of ArcMap, working with data, ArcMap tools, queries and expressions, symbology, and map layouts. This was a four-hour presentation and workshop with hands-on exercises that included tasks commonly used in local government processes.

• Webinars

Multiple webinars relating to permitting, BMP's, Total Maximum Daily Loads (TMDLs), and pollution removal were viewed over the course of the year.

Monitoring and Assessments

Urban Stormwater Retrofit & BMP Validation Project – Ended 2/28/15 Sunrise Estates Wrap-Up Event

All community members were invited to breakfast in the park to receive information regarding the ending of the Hinkson Creek Urban Retrofit & BMP Validation Study - 319 Grant. A historical overview of the project was presented by the Boone County Stormwater Coordinator. Data collection conclusions were presented by Geosyntec Consulting. Eight (8) community members were in attendance.

Grissum Wrap-Up Event

Boone County Stormwater provided a poster presentation for the staff at the City of Columbia Grissum Site. The presentation covered the history and finalization of the various BMP's installed at the site and was made available to approximately 65 city and county employees.

Monitoring and Assessments Continued

• Hinkson Creek Bacteria Assessment

The University of Missouri, Boone County, and City of Columbia hired Geosyntec Consultants to develop and implement a monitoring approach that would provide a more representative estimate of bacteria concentrations in the streams within the Hinkson Creek Watershed during the 2015 recreation season. Geosyntec's final report will be completed in early 2016.

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 to:

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

This year stormwater staff continued sampling at Stephens Lake, Tri City Lake and Lick Creek Lake. Staff collected 12 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 address other pollutants that may be contributing to water quality issues.

Stakeholders - The Stakeholder group met five (5) times.

Action Team - The Action Team met twelve (12) times.

Science Team - The Science Team met five (5) times.

Physical Habitat Assessment – Physical Assessment is 100% complete. The final report and map can be viewed at www.helpthehinkson.org.

Forum Nature Area Level Spreader – Construction is 100% complete.

Monitoring: Soil water sensors have been installed at various distances and depths around the level spreader and soil water content will be compared with two (2) controls located elsewhere on the Forum Nature Area property. In addition, fifty-four (54) trees were planted at the site and their growth will be tracked to determine whether trees closer to the level spreader grow more quickly.

Combined Flow & Suspended Sediment Study – This collaborative project has begun and will continue for four (4) years. Goals of the project are:

- * identify land use related impacts to stream flow
- * understand the impairment of the Hinkson Creek
- * assess proposed recovery strategies

Town of Harrisburg

ROAD & BRIDGE ANNUAL SUMMARY REPORT

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

Reporting Entity: TOWN of Harrisburg
Reporting on Calendar Year: 2014
Narrative for use of funds received THE LUNGY WERE USED FOR Street Maintenance including snow and the removal. 2013 street Project yands are in a separate ledge accumulating for larger projects. The form Street Project yands where Saved in a separate ledger to accomplate for larges projects. Narrative on overall condition of roads and bridges within reporting municipality:
Az of 12/15/15 roads and tridges are in good
Allocation and Expenditure of Funds Received listed by project, with a projection 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
street Maintenance - including snow and ice \$ 1312.85
2013 Street Project (\$11047.33 awarded) -saved in a separate redger to accumulate funds for larger project.
2014 Street Project (* 13917.04 awarded) - saved in a separate ledger to aucumulate yunds for larger project.

Town of Harrisburg

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

and the same of th
TOTAL \$7372.85
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.
/ Kletter Wellete 1219
Signature Date
Title Clerk
Wath William 513-914-0138
Printed Name Day Time Phone number

Centralia Special Road District

ROAD & BRIDGE ANNUAL SUMMARY REPORT

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

Reporting Entity:

Centralia Special Road District of Boone County Mo.

Reporting on Calendar Year: 2015

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. No paving projects were done in 2015.

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 45% 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 approximately \$45,000.00 of rock on non-paved roads.
- 2. Used approximately \$625.00 of cold mix to patch paved roads
- 3. Replaced one road grader at a cost of \$135,000.00.
- 4. Replaced \$390.00 of road culverts
- 5. Repaired banks under and along bridges \$2,000.00

Centralia Special Road District

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

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TOTAL	
_\$183,105.00	
I declare that I have examined this report, including account	mpanying schedules and statements, and to the
best of my knowledge; certify that the information provide	ed above is true, complete and accurate.
anthony Kandrick	12/20/20/5 Date
Signature /	Date
Title: Treasurer	
Anthony Kendrick	573-881-2169
Printed Name	Day Time Phone number

City of Columbia

ROAD & BRIDGE ANNUAL SUMMARY REPORT

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

Reporting Entity: City Of Columbia-David A. Nichols, Public Works Director

Reporting on Calendar Year: 2015
Narrative for use of funds received Soctt Blvd Phase III, funds will be used for construction Costs
Narrative on overall condition of roads and bridges within reporting municipality:
Scott Phase III is under reconstruction to widen the existing roadway to improve vertical and horizontal alignment, the project is scheduled for completion prior to August 2016.
Allocation and Expenditure of Funds Received listed by project, with a projection 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 _ Scott Boulevard Phase 3 consists of two travel lanes with left turn lane pockets at all public streets. The typical section provides an 11 foot center turn median, 11 foot vehicle lanes, two foot marked bicycle lane measured from the two foot gutter sections, portland cement concrete pavement, marked lanes for vehicles and bicycles. The cross section also includes an eight foot sidewalk on the east side, setback 6.5 foot from the back of curb and a five foot sidewalk on the west side, setback 6.5 foot from the back of curb. The total Right of Way width required for the recommended typical section is 76 feet. All drainage structures will be set back for the future 4 lane build out. Total cost of construction is \$7.9 million.

City of Columbia

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

TOTALsee attached sheet
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 6/11/11/11/15 Date 12/28/15
Title Description of block of the contraction
your - public work columnic
Printed Name Day Time Phone number
Printed Name David A Nichols Day Time Phone number 573-874-7253

City of Columbia

City of Columbia County Road Tax Rebate -C00503 Cash Balances	Sept 30	Sept 30	Sept 30	Sept 30	Sept 30	Sept 30
	2010	2011	2012	2013	2014	2015
Cash Balance Forward	265,902,58	431,429.52	*	1,569,924.31	1,810,343.41	406,396.32
Receipts:						
County Road Tax Rebate from Boone County Investment Income	1,649,274.62 29,677.32	1,657,714.81 14,463.90	1,874,958.65	1,915,419.10	1,996,052.91	2,063,125.23
Total Receipts	1,678,951.94	1,672,178.71	1,874,958.65	1,915,419.10	1,996,052.91	2,063,125.23
Disbursements:						
Transfer to Fund 440 (Capital Projects):						
C00128 Maguire Blvd		•				
C00241 Mexico Gravel Rd	(1,400,000.00)		1,369,965.66			
C00149 Scott Blvd	•		•			
C00320 Rolling Hills Road		(1,400,000.00)	(1 (75 000 00)	(211 (0(00)		
C00319 Scott - Vawter to MKT PH II		(590,183.23)	(1,675,000.00)	(311,686.00)	(2.400.000.00)	/2 A42 126 AA
C00274 Scott-Vawter to KK III	(113,425,00)	(113,425.00)	-	(1,363,314.00)	(3,400,000.00)	(2,042,126.00)
Transfer to Fund 110 (General Fund)	(113,423,00)	(113,423.00)			10 10 10 17 10 10 10 10 10 10 10 10 10 10 10 10 10	
Total Disbursements	(1,513,425.00)	(2,103,608.23)	(305,034.34)	(1,675,000.00)	(3,400,000.00)	(2,042,126.00)

431,429.52

Cash Balance @ Year End

406,396.32

427,395.55

1,810,343.41

1,569,924.31

City of Ashland

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: 2015

Narrative for use of funds received

The Boone County Road and Bridge fund provided the City of Ashland with \$151,610.37 in calendar year 2015. This money was dedicated to the rehabilitation of our residential streets to restore and extend their useful life. The Street Department staff developed a list of roads in need of surface improvements beyond our normal maintenance procedures. From that list, the Board of Aldermen narrowed the assignment of funds to streets determined to be of highest priority based on their current condition of spauling, cracking, sinking or heaving. Proper funneling of storm water was also a consideration.

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

There are no bridges maintained by the City of Ashland. All of our approximately 20 miles of public streets are constructed of hard surface, impervious materials. Weather and multiple types of users (cars, pickup trucks, trash trucks, construction vehicles) continually degrade the integrity of our street surfaces. In general, our roads are in good condition. Some pavement would be considered in fair condition while a small percentage is in poor condition. As funds allow, we prioritize the poorest surfaces for the earliest attention, with additional consideration of traffic volume.

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 _

Mustang Drive

Mustang Drive is a residential Street of the Palomino Subdivision in the northwest section of Ashland. It is a two way street used mostly by residents of, and visitors to the area. Along Mustang Drive is a City Park where community members can picnic, play games and enjoy the outdoors.

The condition of Mustang was poor. Spauling was widespread and several spots resembled a gravel surface. Neighborhood dissatisfaction with the road surface was displayed with the words "Fix our Street" spray painted on the pavement, near the Park. Revitalization of this street included street edge milling, curb repair, butt joint milling and a 2" asphalt overlay. APAC-Missouri Inc., was awarded the job at a cost of \$38,856.30.

City of Ashland

South College Street
College Street South is an asphalt surfaced, residential street with mostly passenger vehicle traffic. This street was in poor condition with soft spots that resulted in deformaties in the pavement similar to ruts in a dirt road where vehicle wheels would travel.
The solution to this repair was a full depth removal of the existing pavement and replacement of the base rock and impervious asphalt surface. The price presented for this full depth removal and repair was \$71,360.00. APAC-Missouri, Inc., was selected as the vendor for this project. The repair included the removal of all asphalt and base rock to an 18" depth, repair to the subgrade, placement of new base rock, 4" of asphat base and 2" of asphalt overlay.
Salinda Drive
Salinda Drive is an asphalt surfaced, residential dead end street with mostly passenger vehicles, pick up trucks and school buses as it's daily volume. Salinda drive had not only poor pavement conditions but also broken and failing curbing. The curb condition contributed to storm water runoff onto yards along the street rather than following the curb line and carrying the storm water along the road edge.
The proposed repair to Salinda Drive included street edge and street surface milling, concrete patching, curb repair and a 2" asphalt overlay. The price presented for this revitalization was \$70,983.60.
Summary
The previously described projects totaled \$181,199.90. Our Ashland Transportation Tax dollars supplemented the County shared funding to make the above listed projects a reality. With that being said, I emphasize the importance of the Boone County shared funding program. Major road repairs in our City would be scheduled on a much longer timetable without the funding assistance. If that were the case, frustration and a lack of confidence could develop by those who travel daily on streets continuously in bad condition.

City of Ashland

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

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TOTAL	
_\$181,199.90	
I declare that I have examined this report, including accompanying sch	edules and statements, and to the
best of my knowledge; certify that the information provided above is tru	e, complete and accurate.
un Woolford	12/30/2015
Signature	Date
•	
Interim City Administrator	
Title	
Lyn Woolford	573-657 9062
Lyn Froonoid_	
Printed Name	Day Time Phone number

City of Hallsville

ROAD & BRIDGE ANNUAL SUMMARY REPORT

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

Reporting Entity: City of Hallsville
Reporting on Calendar Year: July 1, 2014 - June 30, 2015
Narrative for use of funds received Grant funding was held over for Fall, 2015 for projects that were completed in November of 2015.
Narrative on overall condition of roads and bridges within reporting municipality:
The streets, both asphalt and concrete curb and gutter are in good condition at this time.
Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.
Projects with descriptions _The City spent \$5,000 on Engineering and Surveying fees for an alleyway improvement in the fiscal year 2014/2015, and \$46,090.70 from the City's General Fund for general street upkeep and repairs. The alleyway that was engineered and surveyed, is located between City Hall and Boone County National Bank and connects Rt. B with Highway 124-East. The alleyway project is on hold until the final plat can be agreed upon by all affected parties.

City of Hallsville

ROAD & BRIDGE ANNUAL SUMMARY REPORT

Page 2

_Projects completed in November of 2015: Fourteen ADA Cross \$3,036.56; Potholes in City repaired for a total of \$12,285.59; ON Boone, and Lisa Court along with crack repair on Concert for a typear 2015/2016 on streets so far is \$125,092.00.	verlay on Brown, Elaine, Elm, East,
1	
<u> </u>	
TOTAL	
_\$5,000.00 from Road Grant Funds and \$46,090.70 fr	om General Funds.
I declare that I have examined this report, including accompanyi best of my knowledge; certify that the information provided abov	ng schedules and statements, and to the e is true, complete and accurate.
X einth tidaya	12/21/15
Signature	Date
J	
City Administrator/City Clerk	
Title	
Tiue	
Kenyetta Ridgway	573.696.3885
Printed Name	Day Time Phone number

CityofRocheport

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).

litie of Rochepost

Reporting Entity:

Narrative for use of funds received Chip n Real / Maintenance Narrative on overall condition of roads and bridges within reporting municipality: The streets in Rockepart are in facility Grad Condition Allocation and Expenditure of Funds Received listed by project, with a projection 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 Lety of Rockepart did, not perform Any Street repairs / Maintenance) in 2015. The Board, is in the Planning Stage for Z016 Repairs with 2014 and 2015 funds The lety will be abled to compare to Maintenance.	- Joseph I I
Narrative on overall condition of roads and bridges within reporting municipality: The streets in Packepart are in facility Grad Condition Allocation and Expenditure of Funds Received listed by project, with a projection 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 Cety of Rackepart did, not perform Any street repairs / maintenance in 2015. The Board, is in the Planning stage for 2016 repairs with 2014 and 2015 funds	Reporting on Calendar Year: 2015
Narrative on overall condition of roads and bridges within reporting municipality: The streets in Packepart are in facility Grad Condition Allocation and Expenditure of Funds Received listed by project, with a projection 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 Cety of Rackepart did, not perform Any street repairs / maintenance in 2015. The Board, is in the Planning stage for 2016 repairs with 2014 and 2015 funds	
Narrative on overall condition of roads and bridges within reporting municipality: The streets in Rochepart are in facility Grad Condition Allocation and Expenditure of Funds Received listed by project, with a projection 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 Lety of Rochepart did not perform Lany street repairs maintenance in 2015. The Board, is in the Planning stages for 2016 Repairs with 2014 and 2015 funds	Narrative for use of funds received
The streets in Rockepart are in facilet grad Condition Allocation and Expenditure of Funds Received listed by project, with a projection 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 Lity of Rockepart did not perform Any Street repairs maintenance in 2015. The Board, is in the Planning stage for Z016 Repairs with 2014 and 2015 funds	Chip n seal / maintenance
The streets in Rockepart are in facilet grad Condition Allocation and Expenditure of Funds Received listed by project, with a projection 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 Lity of Rockepart did not perform Any Street repairs maintenance in 2015. The Board, is in the Planning stage for Z016 Repairs with 2014 and 2015 funds	
Allocation and Expenditure of Funds Received listed by project, with a projection 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 Lety of Rockepart did not perform Any Street repairs / maintenance in 2015. The Board, is in the Planning stage for Z016 Repairs with 2014 and 2015 funds	Narrative on overall condition of roads and bridges within reporting municipality:
Allocation and Expenditure of Funds Received listed by project, with a projection 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 Lety of Rockepart did not perform Any Street repairs / maintenance in 2015. The Board, is in the Planning stage for Z016 Repairs with 2014 and 2015 funds	The streets in Rocheport are in facility good Condition
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 Cety of Rockepart did not perform Lang Street repairs / Maintenance in 2015. The Board, is in the Planning Stage for Z016 Repairs with 2014 and 2015 funds	U
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 Cety of Rockepart did not perform Lang Street repairs / Maintenance in 2015. The Board, is in the Planning Stage for Z016 Repairs with 2014 and 2015 funds	
The City of Rochepart did not perform ling street repairs / maintenance in 2015. The Board, is in the Planning Stage for 2016 repairs with 2014 and 2015 funds	Include only direct design and construction costs pertaining to roads, bridges and storm water;
To 16 repairs with 2014 and 2015 funds	Projects with descriptions
if not all of the list for 2016.	The Board, is in the Planning Stage for 2016 repairs with 2014 and 2015 funds The lety will be able to complete most

City of Rocheport

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

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. Signature Day Time Phone number

City of Sturgeon

ROAD & BRIDGE ANNUAL SUMMARY REPORT

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

Reporting Entity: City of Sturgeon
Reporting on Calendar Year: 2015 - 2016
Narrative for use of funds received Chip + Seal Project
Narrative on overall condition of roads and bridges within reporting municipality:
Good-with continual approades
Allocation and Expenditure of Funds Received listed by project, with a projection 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
Chip & Seal Project for City of Sturgeon Chip & Seal done by Missouri Patroleum

City of Sturgeon

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

TOTAL # SS 784.97 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. Sphature Title mantage 9 perintendent To har J- Gingerich 573-687-3331		
Total #55,784.97 I declare that I have examined this report, including accompanying schedules and statements, and to the best of my knowledge; certify that the information provided above is true, complete and accurate. Signature Date Title Maintenance Deposite Service 573-687-3321		
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Signature Title Maintenance Depointendent Jahn J. Gingerich 573-687-3321	\$55,784.97	
Signature Title Maintenance Depointendent Jahn J. Gingerich 573-687-3321	I dealars that I have exemined this area to be the	
Signature Dingerich 1/8/16 Date Date Title Maintenance Bergenintendent John J. Gringerich 573-687-3321	best of my knowledge; certify that the information provided above is true or	es and statements, and to the
Title Maintenance Desperintendent John J. Gingerich 573-687-3321		omplete and accurate.
Title Maintenance Desperintendent John J. Gingerich 573-687-3321	11. 11. 11	ibile
Title Maintenance Desperintendent John J. Gingerich 573-687-3321	Signature	Date
John J. Gingerich 573-687-3321		
John J. Gingerich 573-687-3321	Title o ' +	
John J. Gingerich 573-687-3321	Damlemance Deparintendent	
	John J. Gingerich	572-/87-2221
Jav Time Phone number	Printed Name	Day Time Phone number

City of Sturgeon

8:16 AM 01/08/16 Cash Basis

CITY OF STURGEON - TREASURE Custom Transaction Detail Report July 2015 through June 2016

Туре	Type Date Num Name Метто		Account	Paid Amount		
Jul '15 - Jun 16						
Bill	07/13/2015	12128	CHRISTENSEN AS	ASPHALT	LABOR/PAVING	751.25
Bill	07/13/2015	12138	CHRISTENSEN AS	ASPHALT	LABOR/PAVING	781.25
Bill	07/13/2015	12144	CHRISTENSEN AS	ASPHALT	LABOR/PAVING	743.75
Bill	07/27/2015	12149	CHRISTENSEN AS	ASPHALT	LABOR/PAVING	757.50
Bill	07/27/2015	12162	CHRISTENSEN AS	ASPHALT	LABOR/PAVING	760.00
Bill	08/24/2015		MISSOURI PETRO	CHIPSEAL A	LABOR/PAVING	10,000.00
Bill	12/14/2015		MISSOURI PETRO	CHIPSEAL A	LABOR/PAVING	45,784.97
Jul '15 - Jun 16						59,578.72

Christensen

3,793.75.

Microuri

Petroleum SS, 784,97

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).

Commission).
Reporting Entity: City of Centralia
Reporting on Calendar Year: 2015
Narrative for use of funds received The funds received went to ward the annual overlay of streets which is detailed below, as well as the operation of the Street Department. In addition to road maintenance we did a little bit of in house sidewalk improvement on Sneed Street and funded cooparation with two homeowners. We also completed linig storm drains under Gano Chance and South Jefferson Street for \$66,000. Failure to do so would eventually have compromised the integrity of the street.
Narrative on overall condition of roads and bridges within reporting municipality:
The City of Centralia conducts an annual review of the 34.08 miles of streets under our control and scores
their condition on a scale of 1 - 10 where 10 is a functionally new road. The results were:
Miles of Road Condition
8.31 10
10.24 7-9
9.58 4-6
5.86 1-3
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 sheets. This rpeort concerns the left-most column, Calendar year 2015. The other numbers are supplied for comparison.

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

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TOTAL _\$413,911	
I declare that I have examined this report, including accompanying sche best of my knowledge; certify that the information provided above is true	dules and statements, and to the , complete and accurate.
Signature / Charles	1/18/2016
	Date
City Administrator	
Title	
Matt Harline	573-682-2139
Printed Name	Day Time Phone number

PUBLIC WORKS HIGHWAYS & STREETS

		Calendar	Calendar	FY2016	FY2015	FY2015	FY2014
ACCOUNT NUMBER	ACCOUNT TITLE	2015	2014	Budgeted	Audited	Budgeted	Audited
_							
PLANNING & ADMIN							
01-03-01-01-001	SALARIES AND WAGES	12,361	12,018	13,920	14,096	13,000	13,107
01-03-01-01-002	OVERTIME WAGES	686	9 ⁷	300			
01-03-01-01-010	ACCRUED EMPLOYEE BEN	8,570	8,202	7,924	10,354	12,308	12,254
01-03-01-01-110	PRINTING, PUBLICATION	44	57	200	57.	200	42
01-03-01-01-120	DUES/MEMBER/SUBS/TUI	50	-	50	50	50	50
01-03-01-01-142	PROF. SERV.ARCHT.ENG	*					0
01-03-01-01-150	CONTRACT LABOR	1,120	1,401	1,300	1,511	1,300	1,318
01-03-01-01-170	MAINT.AGREEMENTS,LEA	1,091	1,216	1100	1193	1,000	1,044
01-03-01-01-180	MEALS,LODGING,TRAVEL	11	-	100	11	100	0
01-03-01-01-201	OFFICE SUP. FURNITUR	-	-				0
01-03-01-01-210	OPERATING SUPPLIES	91	123	300	147	300	657
01-03-01-01-490	EQUIPMENT USE CHARGE	6,015	2,090	2,200	2,573	2,200	1,954
01-03-01-01-506	DATA PROCESSING EQUI	*	*				0
	SUBTOTAL	30,039	25,107	27,394	29,992	30,458	30,426
STREET MAINT.		ä					
01-03-01-02-001	SALARIES AND WAGES	16,108	9,407	12,192	11,267	11,146	11,723
01-03-01-02-002	OVERTIME WAGES	1,485		250			
01-03-01-02-010	ACCRUED EMPLOYEE BEN	9,493	6,037	7,419	6,982	6,537	7,134
01-03-01-02-110	PRINTING, PUBLICATIO	-	56	150	56	150	53
01-03-01-02-132	UTILITIES-NATURAL GA	376	405	450	376	450	394
01-03-01-02-150	CONTRACT LABOR	737	1,013	1,000	1,013	1,000	1,823
01-03-01-02-160	REPAIR SERVICE	117	-	400		400	0
01-03-01-02-170	MAINT.AGREEMENTS, LE	.57	315	500	315	500	1,589
01-03-01-02-190	INSURANCE	504					

£		Calendar	Calendar	FY2016	FY2015	FY2015	FY2014
ACCOUNT NUMBER	ACCOUNT TITLE	2015	2014	Budgeted	Audited	Budgeted	Audited
01-03-01-02-210	OPERATING SUPPLIES	29,838	8,206	15,000	12,640	18,000	13,600
01-03-01-02-220	TOOLS/SMALL EQUIPMEN	274	. 3	200	274	200	0
01-03-01-02-450	EQUIPMENT RENTAL	•		1000		1,000	0
01-03-01-02-490	EQUIPMENT USE CHARGE	19,423	9,476	12,000	10,896	13,000	13,576
01-03-01-02-502	VEHICLES	61,500	32,114	44,333	32,114		0 ,
01-03-01-02-503	FURNITURE AND FILES		-			32,114	0
01-03-01-02-508	OTHER EQUIPMENT	-	1,575		1,575		0
01-03-01-02-509	MISCELLANEOUS CAPITA		•	1600		1,600	0
01-03-01-02-801	TRANSFER TO OTHER FU		-				0
	STREET MAINT. SUBTOTAL	139,855	68,604	96,494	77,508	86,097	49,892
		- Calendar	Calendar	FY2016	FY2015	FY2015	FY2014
A CCOUNT NUMBER	ACCOUNT TITLE	(27,711,711,000,000,000					Audited
ACCOUNT NUMBER	ACCOUNT TITLE	2015	2014	Budgeted	Audited	Budgeted	Audited
ALLEY MAINT.	SALARIES AND WAGES	549	435	273	350	273	540
01-03-01-03-001 01-03-01-03-002	OVERTIME WAGES	549	433	2/3	330	2/3	340
01-03-01-03-002	ACCRUED EMPLOYEE BEN	408	343	83	231	83	336
01-03-01-03-010	ACCRUED EMPLOTEE BEIN	400	545	03	231	03	330
01-03-01-03-210	OPERATING SUPPLIES	1,918	1,750	1,000	2,700	1,000	100
01-03-01-03-490	EQUIPMENT USE CHARGE	2,277	2,616	1,000	2,163	400	805
	SUBTOTAL	5,152	5,144	2,356	5,444	1,756	1,781
SIDEWALK & PARKING	i .						
01-03-01-04-001	SALARIES & WAGES	3,612	11,739	7,689	11,628	3,770	3,832
01-03-01-04-002	OVERTIME WAGES	118					
01-03-01-04-010	ACCRUED EMPLOYEE BEN	2,200	6,118	4,095	6,047	2,090	2,217
01-03-01-04-142	PROF.SERV.ARTCH.ENG.			14,000	2,375		
01-03-01-04-150	CONTRACT LABOR	200		200		200	0
01-03-01-04-160	REPAIR SERVICE	-,	-	100		100	0
01-03-01-04-210	OPERATING SUPPLIES	4,627	2,060	10,000	2,060	10,000	10,446
01-03-01-04-220	TOOLS/SMALL EQUIPMEN	-	7		7		0
01-03-01-04-490	EQUIPMENT USE CHARGE	806	3,770	2,600	3,793	2,600	1,279
*	SUBTOTAL	11,563	23,694	38,684	25,910	18,760	17,774

BLDG & GROUNDS							
01-03-01-05-001	SALARIES AND WAGES	2,637	3,560	4,084	3,542	2,028	2,752
01-03-01-05-002	OVERTIME WAGES	28		1,200			
01-03-01-05-010	ACCRUED EMPLOYEE BNE	1,916	2,231	2,630	2,630	3,941	4,374
01-03-01-05-132	UTILITIES-NATURAL GA	1,443	1,909	1900	1662	1,900	1,869
01-03-01-05-133	UTILITIES, TELEPHONE	416	370	550	377	550	419
01-03-01-05-150	CONTRACT LABOR	290	5,766	400	327	400	5,667
01-03-01-05-160	REPAIR SERVICES	-					0
01-03-01-05-170	MAINT AGREEMENTS & L	90		163		163	217
01-03-01-05-190	INSURANCE	1,075	1,030	1,048	1,030	1,048	1,048
01-03-01-05-201	OFFICE SUPP FURNITUR	-	-	100		100	718
01-03-01-05-210	OPERATING SUPPLIES	1,411	965	1500	1445	1,500	1,186
01-03-01-05-220	TOOLS/SMALL EQUIPMEN	78	386	300	464	300	0
01-03-01-05-490	EQUIPMENT USE CHARGE	9	44	200	49	200	191
01-03-01-05-510	BUILDING IMPROVEMENT	1,695	1,560	1500	1170	5,430	750
	SUBTOTAL	11,088	17,821	15,575	12,696	17,560	19,191
SNOW & ICE REMOVA	AL .				74		
01-03-01-06-001	SALARIES AND WAGES	10,325	11,757	12000	7709	17,037	14,248
01-03-01-06-002	OVERTIME WAGES	55		4000			
01-03-01-06-010	ACCRUED EMPLOYEE BEN	7,353	7,741	9300	5559	13,510	9,277
01-03-01-06-160	REPAIR SERVICE	-	F	200		200	0
10							
01-03-01-06-210	OPERATING SUPPLIES	9,895	8,713	10,000	8,497	15,000	3,068
01-03-01-06-490	EQUIPMENT USE CHARGE	12,911	5,931	7000	4294	9,000	6,967
	SUBTOTAL	40,539	34,142	42,500	26,059	54,747	33,560

					- Indiana		
4		Calendar	Calendar	FY2016	FY2015	FY2015	FY2014
ACCOUNT NUMBER	ACCOUNT TITLE	2015	2014	Budgeted	Audited	Budgeted	Audited
STREET SIGNS & MARI	(INGS	-					
01-03-01-07-001	SALARIES AND WAGES	3,307	5,126	3,795	5,600	3,795	4,126
01-03-01-07-002	OVERTIME WAGES	23		15			
01-03-01-07-010	ACCRUED EMPLOYEE BEN	1,654	2,815	1,936	2,875	1,936	2,288
01-03-01-07-150	CONTRACT LABOR			150			0
01-03-01-07-160	REPAIR SERVICE	-	-			150	0
01-03-01-07-210	OPERATING SUPPLIES	2,537	3,397	5,000	3,455	5,000	2,462
01-03-01-07-220	TOOLS/SMALL EQUIPMEN	-	-			74	0
01-03-01-07-490	EQUIPMENT USE CHARGE	1,304	1,458	1,400	1,944	1,400	1,112
	SUBTOTAL	8,825	12,796	12,296	13,874	12,281	9,988
STORM DRAINAGE							
01-03-01-08-001	SALARIES AND WAGES	14,748	9,824	12,236	11,814	12,236	12,226
01-03-01-08-002	OVERTIME WAGES	226		600			
01-03-01-08-010	ACCRUED EMPLOYEE BEN	17,776	11,488	13,088	2,795	13,088	9,880
01-03-01-08-150	CONTRACT LABOR	150	715	1000	715	1,000	1,200
01-03-01-08-170	MAINT AGREEMENTS & L	-					0
01-03-01-08-210	OPERATING SUPPLIES	3,232	5,212	10,000	5,351	13,000	18,877
01-03-01-08-220	TOOLS/SMALL EQUIPMEN	52	26	100	26		0
01-03-01-08-490	EQUIPMENT USE CHARGE	4,001	4,276	6,000	7,010	6,000	5,359
01-03-01-08-509	MISCELLANEOUS CAPITA	66,000		66000		50,000	0
01-03-01-08-901	MISCELLANEOUS	-					0
	SUBTOTAL	106,185	31,541	109,024	27,711	95,324	47,542

*		Cale	endar	Cal	endar	FY2	2016	FY2	2015	FYZ	2015	FY2	014	
ACCOUNT NUMBER	ACCOUNT TITLE	201	5	2014		Budgeted		Audited		Budgeted		Audited		
BRUSH & TREE CONTR	OL ·		=			310		0.00						
01-03-01-09-001	SALARIES AND WAGES		4,651		2,989						1,466		1,265	
01-03-01-09-002	OVERTIME WAGES		795									×		
01-03-01-09-010	ACCRUED EMPLOYMEE BE		2,269		1,616						923		747	
01-03-01-09-160	REPAIR SERVICE		-		-						50		0	
01-03-01-09-170	MAINT AGREEMENTS & L		-		-								0	
01-03-01-09-210	OPERATING SUPPLIES		59		172								3	
01-03-01-09-490	EQUIPMENT USE CHARGE		1,170		960						1,300		908	
	SUBTOTAL		8,944		5,737				-		3,739		2,923	
					vanot de novembre de la constitución									
	TOTAL (EXCLUDES MOWING)	\$	362,190	\$	224,586	\$	344,323	\$	219,194	\$	320,722	\$	213,077	
CAPITAL SUMMARY														
02-03-01-01-509	CAPTIAL EXPENDITURES	<u>\$</u>	162,871	<u>\$</u>	189,325	<u>\$</u>	184,422	\$ =	182,053	\$	335,884	<u>\$</u>	335,538	
TO	TAL ALL EXPENDITURES	\$	525,061	\$	413,911	\$	528,745	\$	401,247	\$	656,606	\$	548,615	
REVENUES					89									
									E .					
02-03-01-41-520	TRANSPORTN SALES TAX		219,628		178,781		201,299		217,151		195,186		193,517	
					,		\$1		•		•			
02-03-01-43-650	COUNTY GRANT REVENUE		61,523		55,468		57,000		55,468		52,000		52,520	
01-00-00-43-620	COUNTY ROAD & BRIDGE		81,818		72,032		72,752		72,032		65,147		65,147	
	TOTAL REVENUES	\$	362,969	\$	306,282	\$	331,051	\$	344,652	\$	312,333	Ś	311,184	
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STREET PAVING -2014
RECOMMENDED PRIORITY LIST

Estimated Price for Street Improvements

\$75.00 Estimated Price 74.78 Actual best Bid

				in inche	Estimated			Actual	
Streets	Section	Width	Lanath	epth	Tons of	Estimated	Acutal	Price per	
		-	Length	De	Asphalt	Price	tons	ton	
Orchard	(Lakeview to Ivy)	19	906	1.8	370.000	34,461.85	285.00	\$74.78	\$ 21,312.30
Columbia	(Switzler to Highway 22)	20	1260	1.5	288.283	21,621.24	270.00	\$74.78	\$ 20,190.60
Jefferson St	Hwy22 - Wigham	21	920	1.8	257.853	19,338.99	233.00	\$74.78	\$ 17,423.74
Southgate St	Allen-Jefferson	20	1034	1.5	236.575	17,743.14	250.00	\$74.78	\$ 18,695.00
N. Jefferson	RR to Southgate	25	800	1.5	228.796	17,159.71	232,00	\$74.78	\$ 17,348.96
Wigham	full length	20	890	1.5	203.629	15,272.14	226.00	\$74.78	\$ 16,900.28
Fairview St.	full length	20	575	2	175.410	13,155.78	147.00	\$74.78	\$ 10,992.66
Pioneer	full length	23	290	2	101.738	7,630.35	126.00	\$74.78	\$ 9,422.28
Fullenwider St	Southgate-Switzler	20	400	1.5	91.518	6,863.88	102.00	\$74.78	\$ 7,627.56
North St.	remaining piece	17	635	1	82.328	6,174.64	120.00	\$74.78	\$ 8,973.60
Jefferson Street	Between the Tracks	38	375	1.5	163.017	12,226.29	186.00	\$74.78	\$ 13,909.08
Jefferson St was an a	ndd on project						N	1	T. 10,000,00
		243	8,085.00	•	2,036.13	\$ 159,421.72	2,177.00		\$162,796.06

Village of Pierpont

ROAD & BRIDGE ANNUAL SUMMARY REPORT

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

Reporting Entity: Pierpont, Mo
Reporting on Calendar Year: 2015
Narrative for use of funds received none
<u> </u>
Narrative on overall condition of roads and bridges within reporting municipality:
good
Allocation and Expenditure of Funds Received listed by project, with a project description. Include only direct design and construction costs pertaining to roads, bridges and storm water; indirect and other administrative costs are not allowable. Attach extra pages as necessary.
Projects with descriptions _none
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Village of Pierpont

ROAD & BRIDGE ANNUAL SUMMARY REPORT Page 2

TOTAL	
TOTAL	
I dealars that I have examined this report including accomm	serving ashedules and statements, and to the
I declare that I have examined this report, including accomplest of my knowledge; certify that the information provided	shows in true, complete and contrate
best of my knowledge; certify that the information provided	above is true, complete and accurate.
Sent a Signature	1/25/16 Date
Signature	Date
Chairman of Board of Trustees	
Chairman of Board of Trubicoo	
Title	
1100	
Description of the second of t	
Ronald L. Skiles	F72 000 4040
	573-999-1212
Printed Name	Day Time Phone number

Entities Not Submitting Reports

Village of Hartsburg
Village of Huntsdale
City of McBaine

Boone County Resource Management

801 East Walnut Room 315 Columbia, MO65201

Phone: 573-886-4480
Fax: 573-886-4340
E-mail:
resmgt@boonecountymo.org

Boone County Public Works

5551 S Tom Bass Road Columbia, MO 65201

Phone: 573-886-4480
Fax: 573-886-4340
E-mail:
resmgt@boonecountymo.org

vve are on the Web & Facebook!

For the latest on projects, road closures etc check out:

Www.showmeboone.com/resourcemanagement

Www.showmeboone.com/publicworks

Www.facebook.com/pages/Boone-County-Missouri-Public-Works/343596835780384

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.