

Tentative Agenda

Cole County Road and Bridge Advisory Board

Thursday, August 20, 2020

8:00 a.m.

**Cole County Fire Protection District Training and Administration
Building, 5206 Monticello Rd., Jefferson City, MO 65109**

1. Call to Order
2. Introduction of Members & Guests
3. Adoption of the Agenda as printed or amended
4. Approval of May 28, 2020 Minutes
5. Reports
 - Project Status Report
 - Small Community Cooperative Projects Update
6. Old Business
 - Cooperative Project Agreement Addendum
 - Village of Wardsville – Project Change
7. New Business
 - Hemstreet Road Bridge Condition Discussion
 - 2022-2026 Sales Tax Discussion
 - Policy Discussions (as time permits)
 - Gravel Road Upgrade Revision
 - Driveway Approach and Pipe Policy Addition
 - New Stormwater Ordinance and Policy
 - Restoration of Right-of-Way (Lawns, Sprinklers, Dog Fence, Landscaping, etc)
8. Public Comments
9. Vote to Adjourn Meeting



Meeting Minutes

Cole County Road and Bridge Advisory Board

Thursday, May 28, 2020

8:00 a.m.

**Cole County Fire Protection District Training and Administration
Building, 5206 Monticello Rd., Jefferson City, MO 65109**

1. Call to Order
Don Hillis called meeting to order at 8:05 am
2. Introduction of Members & Guests
Larry Benz, Eric Landwehr, John Wheeler, Kris Scheperle, Greg Bowman, Don Hillis, Bruce Dawson, James Wunderlich, Jason Otke, Christa Nilges (staff)
3. Adoption of the Agenda as printed or amended
Motion to approve Bruce Dawson, motion second James Wunderlich
4. Approval of November 14, 2019 Minutes
Motion to approve Don Hillis & James Wunderlich, second Bruce Dawson
5. Reports
 - Project Status Report
 - Small Community Cooperative Projects Update**Eric Landwehr discussed and updated the committee on current and upcoming project status**
6. Old Business
 - ADA Transition Plans
 - Leaf Ordinance (Debris in Road)
 - Gravel Road Upgrade Policy Revisions**Eric Landwehr discussed revision to the current Gravel Road Upgrade policies.**
7. New Business
 - Cooperative Project Agreement Addendum

- Village of Wardsville – Project Change

Committee discussed whether to approve this or not. They recommended that the Village of Wardsville resubmit the application with the new project and include any additional supporting information.

- City of Russellville – Project Time Extension

Motion to approve City of Russeville project extension, Motion approved Don Hillis, Second by Greg Bowman, Abstained by Kris Scheperle

- 2022-2026 Sales Tax Discussion

Eric Landwehr discussed upcoming sales tax with Committee members

8. Public Comments

N/A

9. Vote to Adjourn Meeting

Motion to adjourn by Bruce Dawson, second by James Wunderlich at 9:48am

Project Status Report

**Cole County Department of Public Works
Project Status Report
August 2020**

Construction Phase

Project: Waterford Road / Mt. Hope Road Gravel Road Upgrade

Category: Gravel Road Upgrades

Engineer: Engineering Surveys and Services

Contractor: S&A Equipment and Builders

Est. Cost: Design \$68,007

Construction \$1,465,282

Completion: Fall 2020

Description: Mt. Hope Road will be upgraded to just west of the intersection of Waterford Road. Waterford Road will then be upgraded to north of the N. Moreau Creek. The project will replace all crossroad structures except the box culvert on Mt. Hope and bridge on Waterford. Minor adjustments to the profile and alignment will occur and improvements will be made at the intersection of Mt. Hope and Waterford. The project was awarded in July and the contractor plans to start by next week.

Project: Brookview Drive / Gateway Drive Stormwater Improvements

Category: Stormwater Projects

Engineer: CMPS

Est. Cost: Design \$16,470

Construction \$191,320

Completion: 2020

Description: Capacity improvements to pipes and inlets near the intersection. Flooding occurred in 2017. Final plans and easement documents are being completed now and we will bid the project this summer. ROW acquisition has started and we have three of five yet to get.

Project: Joseph Drive Pipe Replacement

Category: Stormwater Projects

Engineer: In-House

Contractor: Sam Gaines Construction, Inc.

Est. Cost: Construction \$18,880

Completion: 2020

Description: Replacement of deteriorated outlet pipe. Project was bid in combination with Brookview/Gateway project.

Project: Woodhaven Drive Pipe Replacement

Category: Stormwater Projects

Engineer: In-House

Est. Cost: \$30,000

Completion: 2020

Description: Replacement of deteriorated outlet pipe.

Project: Old Forge Road Bridge Replacement

Category: Bridges

Engineer: MECO

Est. Cost: Design \$100,000

Construction \$350,000

Completion: 2021

Description: Deficient bridge will be replaced using federal funds through MoDOT. The engineering contract was signed in 2019. Design work will be completed this fall with bidding in late 2020.

Project: High Point Road Box Culvert Replacement
Category: Bridges
Engineer: Bartlett & West
Est. Cost: Design \$68,521.46
Construction \$320,000
Completion: 2021
Description: Deficient box culvert will be replaced using federal funds through MoDOT. The application has been submitted. The engineering contract was signed in 2019. Design work will be completed this fall with bidding in late 2020.

Project: Tanner Bridge Road Safety Improvements Project Phase 2
Category: Safety Improvements
Engineer: Central Missouri Professional Services
Est. Cost: Design \$64,795
Completion: Possible Summer 2020
Description: Five locations on Tanner Bridge Road from Route B to Grand Highland Subdivision have been identified for safety improvements. Design is complete on the improvement at Tara Road and we are beginning the ROW acquisition phase. Construction is possible on the Grande Highland location in Fall 2020.

Project: 2020 Asphalt Overlay Program
Category: Resurfacing
Contractor: Unknown
Completion: Summer 2020
Est. Cost: \$500,000
Description: Mill and Fill Roads: Terra Bella Drive, Terra Bella Court, Kendalwood Court, Catalina Drive, Ashley Court, Wellington Green, Grand Point Court, Sunny Brook Drive
Overlay Roads: Rabbit Ridge, Highland Way, Aberdeen Way, Balmoral Way, Coventry Way, Dalwhinne Way, Edinburgh Way, Scrivner Road, Blackburn Lane

Project: 2020 Chip Seal Program
Category: Resurfacing
Contractor: Unknown
Completion: Summer 2020
Est. Cost: \$300,000
Description: Cedar Bluff Drive, South Cedar Court, Oak Point Drive, Southwood Terrace, Darin Drive, Goller Road, Knernscheid Road, Pin Oak Drive, Stringtown Road, White Oak Road, Lookout Trail, Luxury Lane, Rita Lane, W. St. Martins Blvd., Rabbit Ridge, Rabbit Run

Design Phase

Project: Business 50 West Improvements – Phase 2
Category: Major Thoroughfares
Engineer: Central Missouri Professional Services
Est. Cost: Design \$150,360
Completion: 2021
Description: Complete reconstruction of the road to include curb and gutter, enclosed drainage and sidewalks. The project will continue from where the first phase ended with a three lane section past Cheyenne Drive and then taper to a two lane section to Route T. A public meeting is scheduled for Sept 2, 2020. Bidding will be in January 2021.

Project: Loesch Road Gravel Road Upgrade
Category: Gravel Road Upgrades
Engineer: In-House
Est. Cost: Construction \$1,275,000

Completion: Fall 2021
Description: County staff will survey and design this project. Initial surveying was completed a few weeks ago and staff is meeting with the property owners to get consensus on the preferred alignment. Final surveying and design will be completed later this year and the project will bid early in 2021.

Project: **Woodway Court Stormwater Improvements**
Category: Stormwater Projects
Engineer: CFS Engineers
Est. Cost: Design \$8,506.50
Completion: Possible 2021
Description: Replacement of deteriorated inlets and pipes and possible addition of inlets for capacity. This will coincide with an asphalt mill and fill on Woodway Court and Woodway Drive.

Project: **South Brooks Drive Stormwater Improvements Project – Phase 3**
Category: Stormwater Projects
Engineer: Bartlett & West
Est. Cost: Design \$103,897.50
Completion: 2021
Description: Capacity improvements to pipes, inlets and open channel waterways along South Brooks Drive, Bradley Street and Jasper Lane. This is the last project along South Brooks as part of an overall project to upgrade all of the Westview Heights area.

Small Community Cooperative Projects

2020

St. Martins – Bike lane, school crossing and resurfacing on Bus. 50 West.

Centertown – Sidewalk and stormwater improvements on Main Street and Monroe Street

2021

Russellville – Improvements to Marion St.

Wardsville – Originally the Route B/M/W intersection study but will be asking to change to a pedestrian and school zone safety project.

Future Projects

- Blue Ridge Road Low Water Crossing Replacement
- Apache Flats Stormwater Study
 - Two Locations: Brookview Drive & South of Business 50
- Traffic Safety Studies on Henwick Lane, Rainbow Drive and possibly Bald Hill Road.

Village of Wardsville Project Change

VILLAGE OF WARDSVILLE

5805 Wardsville Road
Jefferson City, Missouri 65101

BOARD OF TRUSTEES
William W. Gratz, Chairman
Paul Stonner, Co-Chairman
John Luebbering, Treasurer
Brian Schrimpf, Member
Richard L. Taube, Member
Shirley Stockman, Clerk

Phone: (573) 635-2625
email: villageofwardsville@gmail.com
WEBSITE: www.wardsville.org

May 12, 2020

Mr. Sam Bushman
Cole County Commission
Cole County Court House
Jefferson City, MO 65101

Gentlemen:

In September of 2018 the Village of Wardsville was awarded \$75,000 in cooperative project funding.

The intention of the Board of Trustees of the Village of Wardsville was to complete a conceptual study of the intersection of Routes B, M and W to determine a solution to traffic congestion and safety concerns.

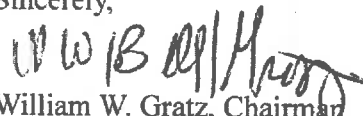
Since that time it has come to our attention that this is not the most efficient way to spend this funding.

The Board hereby requests that the agreement be modified, copy attached, to exclude the aforementioned study and work towards electric signage for school zone on Route M; Route W and Falcon Lane. The Board of Trustees will work with the schools and MoDOT to attain this signage.

The Board of Trustees respectfully request that the agreement be modified.

Thank you for your consideration in this matter.

Sincerely,


William W. Gratz, Chairman
Board of Trustees
Village of Wardsville

BLAIR OAKS R-II SCHOOL DISTRICT

Dr. James K. Jones, Superintendent

6124 Falcon Lane
Jefferson City, Missouri 65101
(573) 636-2020 Fax (573) 636-2202

Dr. Melinda A. Aholt, Principal
Blair Oaks High School
(573) 635-8514
Fax (573) 635-6327

Kimberley D. Walters, Principal
Blair Oaks Middle School
(573) 634-2053
Fax (573) 636-3509

Tara M. Bishop, Principal
Blair Oaks Elementary School
(573) 634-2808
Fax (573) 634-3240

July 29, 2020

Re: Support of School Zone Flashers / Wardsville, MO

To Whom It May Concern:

The Blair Oaks R-II School District is pleased to partner with St. Stanislaus School and the Village of Wardsville on a project that will serve our communities greatest resource: its students. Being the Superintendent of Schools in one of the fastest growing school districts in Missouri, I have firsthand knowledge of the tremendous growth that has occurred in our community over the last 20 years. In 1990, Wardsville had a population of 540. In 2016, the Wardsville population had grown to 1,550. I am so grateful for the many contributions our citizens have made to make this a great community to raise a family.

The Blair Oaks R-II School District supports the installation of school flashers at Blair Oaks and St. Stanislaus. These flashers will serve as a means of safety for our students and families as they travel to and from school each day.

Thank you for your consideration and assistance in this matter.

Sincerely,



James K. Jones, Ed.D.

Cole County Small Communities Cooperative Project Program Application

A. Community Information

Community Name: Village of Wardsville

Contact Person: Bill Gratz Title: Board Chairman

Address: 3805 Wardsville Rd.

City: Wardsville State: MO Zip: 65101

Phone: 573-635-2625

Email: villageofwardsville@gmail.com

B. Basic Project Information

Project Title: Routes B, M, W, and Falcon Lane School Zone Signage

Project Description: Safety improvements in and around Blair Oaks and St. Stanislaus school facilities by reducing vehicle speeds through school zones.

C. Project Location Information

1. Attach a map no larger than 8 ½" x 11" showing the location of the project. A hand drawn map using GIS imagery is acceptable as long as it is neat and legible. **(See attached aerial)**

2. Check the appropriate box for each question:

a. Is the project a component or extension of a previous project constructed in the community?

Yes No

Explain: Routes B, M, W and Falcon Lane are existing roadways. Routes B, M, and W are maintained by MoDOT while Falcon Lane is maintained by the Village of Wardsville.

- b. Is the project a component or extension of a current project under consideration by the county and/or the community?

Yes No

Explain: There are no current plans for improvements to the existing roadway system in this area. Blair Oaks School District is currently constructing a new high school east of Falcon Lane that is scheduled to be complete in summer 2021.

- c. Does the project fall within existing Right-of-Way owned by the Community, County or the Missouri Department of Transportation?

Yes No

Explain: Routes B, M & W are controlled by MoDOT. Falcon Lane is controlled by the Village of Wardsville.

- d. If no, does the community have the ability to acquire the Right-of-Way prior to commencing the project?

Yes No

Explain: School Zone speed limit signage will be placed within the existing right of way.

- e. Are there utilities within the project limits that will be impacted?

Yes No

Explain: No utility relocations or extension are anticipated. School Zone speed limit flashers will utilize solar panels.

D. Project Type Information

Check all that apply. A project may overlap categories.

1. **Major Thoroughfare Improvements** (A thoroughfare if considered a major road within the community that is used by residents and motorists passing through the community)
 - Curb and Gutter Upgrade
 - Addition of sidewalk and/or bike lane
 - Other

2. Bridge / Culvert / Low Water Crossing / Stormwater Projects

- Bridge or Culvert Replacement
- Low Water Crossing Improvement
- Stormwater Inlets and Pipe Upgrades for Capacity or Condition Improvements
- Other _____

3. Safety and Capacity Improvements

- High Accident Location Remediation
- Intersection improvement
- Horizontal or Vertical Alignment Improvement
- Other **Speed reduction through installation of flashing school zone speed limit signage around the Blair Oaks Campus as well as St. Stanislaus Church and School.**

4. Road Upgrades

- Gravel Road Upgrade to Asphalt
- Severely deteriorated pavement upgrade
- Chip Seal Upgrade to Full Depth Asphalt
- Other _____

E. Project Description

Please provide a concise overview of the project. Include major components such as project width, length and material types. Other items to note include creative or innovative designs, safety features, maintenance standards or unique features. Include the cause of the need and a description of existing facilities. Deferred maintenance is not a legitimate cause of need. Drawings no larger than 8 ½" x 11" may be attached to the back of this application.

Installation of four School Zone Speed Limit signs with flashers. The signs would be located on northbound Route B, northbound Route W, westbound Route M, and southbound Falcon Lane. Speed Limit signs will be located in advance of entering the school zones on each leg. The village has had preliminary discussions with MoDOT Traffic regarding the sign installation.

Due to the volume of similar requests, MoDOT has developed a School Flasher Packet which details the process necessary to have flashers installed. The MoDOT packet is attached. The request for the flashers has to come from the school district (in this case Blair Oaks and St. Stanislaus), and the school district enters into an agreement with MoDOT. The district is responsible for all costs for installation of the flashers.

The Village of Wardsville believes the installation of the flashers are a safety enhancement to the community, and have taken the lead to assist the schools in

having the flashers installed. The Village of Wardsville is requesting the use of County Small Community Enhancement to fund this project.

F. General Cost Estimate and Schedule

Upon approval of the Small Community Funds, the Village of Wardsville will work with Blair Oaks and St. Stanislaus to make the official request to MoDOT for the school zone flashers. MoDOT will perform a speed study to determine the appropriate school zone speed limits. The Village will then prepare bid documents for the school zone flasher installation. It is anticipated that the design and construction will be completed by March 2021.

The anticipated cost for the flasher installation is approximately \$60,000.

G. Local Funding Match

The purpose of the cooperative project funding is to assist a community in completing significant projects that they otherwise would not be able to complete on their own. Matching funds from a community will help increase the size and scope of a project for a community. Please list the dollar amount and/or percentage of the total project cost that your community is prepared to contribute towards your project.

Local Community Funding Match

The Village of Wardsville will contribute the cost of engineering necessary to design the signal locations and prepare bid documents.

Dollars \$10,000

Percentage 14.3%

H. Local Community Impact (10 points)

Describe the quality of the project concept in terms of the benefits it provides to the wellbeing of your local community. Be specific as to how your citizens will benefit. Will it benefit the community as a whole or just a segment of your population? If support has been garnered from local stakeholders please describe that. Documentation from local meetings is suggested and letters of support are strongly encouraged.

The installation of the school zone flashers will help to reduce vehicle speeds and speed enforcement within the school zones which will lead to safer conditions for motorists and pedestrians within the community.

The Village of Wardsville will enact school zone speed limit ordinances which will increase fines for speeding within the school zones.

Both Blair Oaks School District and St. Stanislaus School are in support of this project. (Letters of Support are attached)

I. Safety Impact (10 points)

Describe the impact and effectiveness of the project, in terms of how it will improve safety. List any current safety issues and how the project will address those issues. Provide any information available that will support the claim of “safety issues” such as accident reports or written concerns from your citizens.

Between June 2015 and June 2020 there have been 20 reported traffic crashes on Routes B, M, and W within the school zone. No accident data is available for Falcon Lane. Approximately half of the reported accidents occurred during peak AM and PM traffic periods. Several of the accidents were reported as Fixed Object accidents indicating running off the road which may be due to excessive speeds. The speed study conducted by MoDOT will determine actual existing speeds.

The installation of the flashing signals will make the presence of the school zones more apparent to drivers and the implementation of additional school zone fines will serve as an additional speeding deterrent.

J. Long Range Plans (10 points)

How does this proposed project coordinate with existing plans for your community? Has the project been part of previous plans or ideas in your community? Will this project be part of a city-wide improvement project? Has a previous project been completed and this new project will be a continuation of that project? Have you applied for funding through other agencies in the past and been unsuccessful? Please provide any information you have regarding these questions.

The completion of the new Blair Oaks High School and continued growth of Blair Oaks School district will increase in traffic in the area. While improvements to the Route B, M & W intersection are not feasible at this time, increased enforcement of school zone speed limits will provide an increased level of safety until such time as traffic volumes necessitate further investigation of the Route B, M & W intersection.

K. Applicant Experience (5 points)

A community that receives funding for a project must be able to show that they are able to proceed with the design and construction of a project without the assistance of the County. How will your community administer a project? What past experience do you have with road and bridge type projects? What is your past performance on delivering projects on time and within budget? Will you hire an engineering company to assist you? Please provide documentation of past projects and your plan for this project. Communications about your project from an engineering company proficient in road and

bridge related projects will be acceptable in the event that your community staff and leaders have little experience with these types of projects.

The Village has demonstrated a significant ability to prioritize and plan for future growth in the area. This is shown by a recent transfer of the Village water and wastewater systems to Missouri American Water, allowing them to focus resources on transportation issues.

The Village has been proactive by meeting with MoDOT, Blair Oaks School District, and St. Stanislaus School regarding the school zone flashers. The Village has retained CMPS to provide technical assistance to the Village and will provide detailed drawings for the flasher installation and assist the Village with the project bidding and project administration.

L. Application Clarity and Completeness (5 points)

The application may be given up to 5 points for its overall clarity and how complete the application and cost estimate are. A good application does not need to be lengthy. A clear, concise application will also reduce the potential for confusion.

M. Discretionary (10 points)

The application may be given up to ten additional points at the discretion of the review committee. It will consider factors that indicate the local commitment for the project, the local impact of the project and the project's overall benefit.

The rating committee will decide how much funding to award to each project. There is no guarantee that if your project is awarded funding that it will be the full amount requested.

Are you willing to accept less funding than requested? YES _____ NO X

MidMoGIS, MO



Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Map Scale
1 inch = 660 feet
6/17/2020

*** Approximate location of School Zone Speed Limit Signs**

Hemstreet Road Bridge Condition Discussion

Hemstreet Road Bridge Condition Discussion

I would like to have a discussion in the very near future concerning the old truss bridge on Hemstreet Road over the Moreau River. I got an email from MoDOT last week concerning the "Fracture Critical" inspection needed. Due to the condition rating, the bridge is due for this special inspection done by a consultant. We have to pay a 20% match. Past fracture critical inspections done on this bridge and Moniteau Creek used our Soft Match funds for the 20%. But we have depleted our soft match due to the two BRO projects under design right now and this cost would have to come out of pocket. The inspection would have to be done this fall and our cost is \$6,709.77. See below:

2020 Fracture Critical Inspections

					Federal Share	Local Share	
Funding Category	Job Number	County	Bridge Number	Total Costs	80%	20%	
2 Non-Federal Aid	NBI9(785)	Cole	2290010	\$33,548.84	\$26,839.07	\$6,709.77	Garver
Totals:				\$33,548.84	\$26,839.07	\$6,709.77	

I'd like to discuss and make a decision on the following options:

1. Do the fracture critical inspection this year and keep the bridge open as is until the rating drops low enough necessitating closure. The inspections would need to be done on a regular basis going forward; typically every 2 years unless the inspectors find reason to do more often.
\$7,500 per year
2. Close the bridge but leave it open for pedestrian/bicycle traffic. There will be some interest from residents to keep this bridge. This type of closure will require a turnaround on both ends but leave the remaining road as is with permanent barriers. MoDOT would no longer inspect the bridge and it would go off their inventory in three years. We would be fully responsible for future inspections if needed.
\$25,000 plus periodic minor inspections. Will need ROW for turnarounds. May need to consider railing and deck repairs.
3. Close and remove the bridge as well as roadway leading to it. This will also require the construction of turnarounds on both ends.
\$100,000 Will need ROW for turnarounds.
4. Replace the bridge
\$950,000
5. Rehab the bridge
\$500,000

Traffic ADT = 46 vehicles per day



2022-2026 ½ Cent Sales Tax Discussion

Proposed Capital Improvements Sales Tax Breakout

Road and Bridge Projects (85%)

2017-2021 2022-2026

Safety and Capacity Improvements	\$425,000	\$1,500,000	Tanner Bridge & Bald Hill
High Accident Location remediation			
Intersection Improvements			
Upgrade Roads to Paved.....	\$2,500,000	\$2,500,000	Need to select roads
Cooperative Projects (City of Jefferson).....	\$5,500,000	\$5,500,000	Keep the same?
Major Thoroughfares.....	\$4,325,000	\$2,500,000	Scott Station Curb & Gutter Upgrade
Projects in Cooperation with Villages.....	\$1,500,000	\$1,500,000	Keep the Same
Resurfacing / Concrete Street Replacement	\$6,250,000	\$8,750,000	1,750,000 per year
Equipment Replacement.....	\$1,450,000	\$1,250,000	Drop to 250,000 per year
Bridge/Culvert/Low Water Crossing/Stormwater Projects.....	\$3,400,000	\$3,550,000	raise 150,000
River & Stream Low Water Crossing Replacement			
Stormwater Improvements			
Bridge Improvements			
Contingency.....	\$1,000,000	\$1,000,000	
	SUBTOTAL	\$26,350,000	

County Facility and Equipment Improvements (15%)

Facility Maintenance, Modification and Renovation.....	\$2,850,000	\$3,100,000	New Public Works Facility
Computerization.....	\$900,000	\$900,000	
Capital Equipment.....	\$300,000	\$300,000	
Parks.....	\$100,000	\$150,000	
Contingency.....	\$500,000	\$500,000	
	SUBTOTAL	\$4,950,000	

TOTAL EXPENDITURES FOR SALES TAX **\$31,000,000** Less than 1% growth per year