

TERM OF COMMISSION: July Session of the July Adjourned Term

PLACE OF MEETING: Boone County Commission Chambers

PRESENT WERE: Presiding Commissioner Kip Kendrick
District I Commissioner Justin Aldred
Captain Brian Leer
Buyer Brijanna Purdy
Senior Buyer Liz Palazzolo
Buyer Amy Gerskin
Chief Engineer Jeff McCann
Boone County Deputy Clerk III Jodi Vanskike

Conference Call Information:

Number: 425-585-6224 Access Code: 802-162-168

The meeting was called to order at 1:30 p.m. and roll call was taken.

Sheriff's Office

1. First and Second Reading: Boone County Sheriff's Office Medical Directorship Agreement with MU

Captain Brian Leer stated this agreement is a continuation of what they have done for the last several years and is tied to S.W.A.T. medical services. Captain Leer stated the Boone County Sheriff's Office prefers to integrate EMTs within the S.W.A.T. team. To do that, a doctor who oversees the licensed and trained personnel who are EMS or paramedics is required. Captain Leer stated this agreement provides a Medical Director for eighteen hours per year, which they think will be more than enough to cover this. In return, the County of Boone will pay the University of Missouri \$228 per hour for the Medical Director's services.

Commissioner Aldred moved now on this day, the County Commission of the County of Boone does hereby approve the attached Medical Directorship Agreement between Boone County and the following:

- University of Missouri

The terms of the agreement are set out in the attached. The Presiding Commissioner is authorized to sign said agreement.

Commissioner Kendrick seconded the motion.
The motion carried 2 to 0. **Order #345-2025**

Purchasing

2. First Reading: Surplus Disposal

Buyer Brianna Purdy read the following memo:

The Purchasing Department requests approval, on behalf of the IT Department, to dispose of asset tag #17545 through a trade-in for a newer, refurbished model. The cost of the trade-in is \$8,446.35 and the equipment will be traded to Cybernetics. The replacement asset tag for this item will be #27154.

Please see the attached memo from Julia Lutz, Director of IT, for additional details.

	Asset #	Description	Make & Model	Department	Condition of Asset
1.	24397	Getac VR-X20	DVR	SO	Return to Manufacturer

Commissioner Kendrick stated this is a first reading and requested the Deputy County Clerk schedule this item for a second reading at the next available Commission meeting with appropriate order for approval.

3. First Reading: Amendment #15 to Contract C000016 (bid # 03-13APR17) - ERP System Selection Project with Superior, LLC, n/k/a CentralSquare Technologies, LLC

Senior Buyer Liz Palazzolo read the following memo:

Contract C000016 (bid #03-J 3APR17) - ERP System Selection Project was approved by Commission for award to Superior, LLC, n/k/a CentralSquare Technologies, LLC on July 25, 2019, Commission order 308-2019.

Commissioner Kendrick stated this is a first reading and requested the Deputy County Clerk schedule this item for a second reading at the next available Commission meeting with appropriate order for approval.

Commission

6. First Reading: Budget Amendment - Department 1430 - Increase Budget Indigent Burial

Commissioner Kip Kendrick stated this will take the budget from the \$5,200 that was budgeted for this year and increase it to \$10,400 halfway through the calendar year. Commissioner Kendrick stated they have pretty much exhausted all of the budgeted funds for cremation services.

Commissioner Kendrick stated this is a first reading and requested the Deputy County Clerk schedule this item for a second reading at the next available Commission meeting with appropriate order for approval.

7. First and Second Reading: Board Reappointment – Library Board

Commissioner Aldred moved now on this day, the County Commission of the County of Boone does hereby reappoint the following:

Pat Powell	Library Board	Reappointment	3 years	07-01-2025 through 06-30-2028
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Commissioner Kendrick seconded the motion.
The motion carried 2 to 0. **Order #346-2025**

8. Public Comment

Dan Burke submitted a written statement for the record that is attached to the bottom of the minutes.

9. Commissioner Reports

None

Attest:



Brianna L. Lennon
Clerk of the County Commission



Kip Kendrick
Presiding Commissioner



Justin Aldred
District I Commissioner



Janet M. Thompson
District II Commissioner

"Good afternoon, Presiding Commissioner Kip Kendrick, District 1 Commissioner Justin Aldred, District 2 Commissioner Janet Thompson, and staff. My name is Dan Burke, resident at 3033 N Lake of the Woods Rd, Columbia. I've owned this property since 2016, and Sing Drive—a county-maintained gravel road—borders my south edge, generating dust from ~100 daily vehicles that blows onto my land.

For years, I've followed your dust control policy by paying Scotwood Industries ~\$850 annually for magnesium chloride (MgCl) on 600 feet adjacent to my home. In 2022, 10 of 12 neighbors supported it. But since 2023, you've denied treatment based on complaints from Jeff Schafer and Rita Judd about vehicle rust—complaints lacking evidence, as shown in the emails I've handed out (Handout 3). Your policy on showmeboone.com requires no 'unanimous consensus' for private treatments, yet Director Edington imposed it arbitrarily. My 2025 payment was accepted and listed (Handout 3), but the ROW permit excluded Sing Drive—a clear contradiction.

This denial creates a health hazard. Dust contains respirable silica, violating DNR PM standards (10 CSR 10-6). Handout 1 summarizes three studies: A 2024 nationwide analysis links short-term dust PM_{2.5} to a 1.5-2.5% increased risk of pulmonary embolism per 10 µg/m³ exposure. A 2018 review ties road dust to respiratory and cardiovascular issues, like asthma flares. A 2025 study shows long-term exposure worsens post-stroke impairment by 10-20%. These risks affect me, my family, and neighbors—fund a PM study if needed.

Handout 2 compares MgCl to my proposed alternative: Perm-Zyme, a non-corrosive enzyme stabilizer lasting 10+ years with 85-95% dust reduction, addressing complaints while being DNR-compatible.

Commissioners, approve Perm-Zyme for my 600-foot section today—it's eco-friendly, cost-effective long-term, and protects public health. If not, explain the legal basis or fund an air quality study. I've provided Handout 4 with a proposed resolution. Thank you for your time; I'm happy to answer questions."

**Dan Burke's Presentation on Sing Drive Dust Control
Boone County Commission Meeting - July 10, 2025**

Contact: Dan Burke

3033 N Lake of the Woods Rd, Columbia, MO 65202

Phone: 573-881-9671 | Email: whitewolfconstruction@hotmail.com

Handouts Included:

- 1. Health Risks from Road Dust (Study Summaries)**
- 2. Comparison: MgCl vs. Perm-Zyme**
- 3. Key Documents and Timeline**
- 4. Proposed Resolution for Approval**

Health Impacts of Uncontrolled Gravel Road Dust

Dust from roads like Sing Drive contains PM_{2.5}/PM₁₀ particles, posing risks regulated by OSHA (29 CFR 1926.1153) and Missouri DNR (10 CSR 10-6).

1. Dust Particulate Matter Increases Pulmonary Embolism Onset (2024, Environment International)

- Study: Nationwide analysis (18,616 cases, 2015-2020).
- Findings: Short-term dust PM_{2.5} exposure raises pulmonary embolism risk by 1.5-2.5% per 10 µg/m³ increase within 1-3 days. Dust triggers lung inflammation and clots.
- Relevance: Sing Drive's ~100 vehicles/day could exceed safe levels.

2. Road Dust and Its Effect on Human Health: A Literature Review (2018, Epidemiology and Health)

- Study: Review of 50+ global studies.
- Findings: Road dust causes respiratory issues (e.g., asthma, reduced lung function), cardiovascular problems, and inflammation. Vulnerable: Children, elderly.
- Relevance: Consistent exposure worsens chronic conditions; suppression needed.

3. Long-Term Exposure to Dust in Fine Particulate Matter and Post-Stroke Functional Impairment (2025, Journal of Hazardous Materials)

- Study: Based on national stroke surveys.
- Findings: Chronic dust PM_{2.5} increases post-stroke disability by 10-20% via neuroinflammation. Raises initial stroke risk by 15-30%.
- Relevance: Long-term dust harms recovery; community-wide issue.

Request: Fund a DNR-compliant PM study for Sing Drive to quantify risks.

Dust Suppressant Options for Sing Drive

Aspect	Magnesium Chloride (MgCl) - Denied	Perm-Zyme (Proposed Alternative)
Composition	Chemical salt (potential corrosion)	Organic enzyme (non-corrosive, bio-based)
Duration	Annual reapplication	10+ years stabilization
Dust Reduction	70-80% (temporary)	85-95% (permanent)
Environmental Impact	Low toxicity but runoff risks; DNR-approved	Eco-friendly, no leaching; DNR-compatible
Cost (600 ft est.)	~\$850/year	\$1,500-2,500 upfront, long-term savings
Addresses Complaints	Rust concerns from Schafer/Judd	Eliminates rust risk

Perm-Zyme from Substrata: Hardens soil, reduces dust as byproduct. Vendor-neutral; apply via ROW permit.

Timeline of Sing Drive Dust Control Issue

- Aug 2016: Bought property.
- 2017-2022: Paid Scotwood for MgCl; 10/12 neighbors supported in 2022.
- 2023: Schafer/Judd complain (rust, threats); Edington requires "unanimous consensus" (not in policy).
- 2025: Paid \$850; listed in private MgCl doc, but ROW permit excludes Sing Drive.
- May-June 2025: Sunshine requests yield no justifying records (Edington responses).

Key Excerpts:

- Edington Email (April 5, 2023): "We will NOT issue a work permit... unless unanimous consensus." (No policy basis.)
- MgCl Private List (2025): My property listed for 600 ft.
- Schafer Complaint: Alleges rust but no evidence; his property 3/4 mile away.

Policy: showmeboone.com allows private treatments for ADT <200 (Sing Drive ~100); no consensus required.

Proposed Resolution for Boone County Commission

WHEREAS, uncontrolled dust on Sing Drive poses health risks per studies (Handout 1); and

WHEREAS, denial contradicts county policy and prior approvals;

BE IT RESOLVED: Approve Perm-Zyme application on 600 ft of Sing Drive adjacent to 3033 N Lake of the Woods Rd, or reinstate MgCl. If needed, fund PM air quality study.

Vote Today: Yes/No.