

From: [Matt Winters](#)
To: abirk@jacksonmo.org
Subject: FW: STP 3005(003) US 61 and Deerwood Roundabout Traffic Control
Date: Monday, November 24, 2025 9:34:01 AM
Attachments: [HWY 61 AND DEERWOOD DR, JACKSON-4.pdf](#)

Matt Winters
City Administrator
City of Jackson, MO
101 Court Street
573-243-3568 x2011

From: David McMullin <david@fronabarger.com>
Sent: Monday, November 17, 2025 4:15 PM
To: Matt Winters <mwinters@jacksonmo.org>; George Harris <gharris@jacksonmo.org>
Subject: Fw: STP 3005(003) US 61 and Deerwood Roundabout Traffic Control

Gents:

Please see email below from MoDot concerning traffic at the Deerwood Roundabout.
Good information to discuss. Thanks

David McMullin
Fronabarger Concreters, Inc.
3290 State Hwy E
Oak Ridge, MO 63769

Office: 573-266-3212
Mobile: 573-579-3035

From: Jake C. Butler <Jake.Butler@modot.mo.gov>
Sent: Monday, November 17, 2025 3:06 PM
To: David McMullin <david@fronabarger.com>
Cc: Kevin R. Plott <Kevin.Plott@modot.mo.gov>; bholt@bfwengineers.com
<bholt@bfwengineers.com>
Subject: RE: STP 3005(003) US 61 and Deerwood Roundabout Traffic Control

David,

I ran a model just to get a rough estimate of what the queues may be with a 4 leg signal operation and a 2 leg signal operation at the Deerwood intersection.

	Estimated cycle length	Estimated AM queue		Comments
		US 61 NB	US 61 SB	
4 leg signal	288 Sec (4.8 min)	1468'	1737'	Signal will not be able to clear all US 61 queues each cycle. Will take multiple cycles to clear queues.
2 leg signal	158 Sec (2.6 min)	860'	804'	Should clear most queues in each direction each cycle

This is just a model so really you can't say this is exactly what will happen. I think the key point here is that the model can't predict the buses and that traffic is already backing up significantly behind buses that stop along US 61 so traffic will not arrive evenly at the intersection. Once the bus arrives at the intersection then a long queue will as well and will most likely be past the estimated queue length.

Just an FYI typically a car is considered 20' in length so the 1712' queue would roughly be 86 cars.

As far as what MoDOT will deem as unacceptable on the workzone will be if the queue backs up to adjacent intersections mainly meaning the Rte. D signalized intersection. Also please make the City aware that all calls that MoDOT receives on the workzone will be directed to the City and for them to address since this Traffic Control Plan is their preference.

Please let me know if you have any questions about this.

Thanks,

Jake

Jake Butler

Senior Traffic Studies Specialist

Missouri Department of Transportation

Southeast District – Traffic

198 St Hwy Y, Jackson, MO 63755

573-257-7140 (mobile) or 573-472-9001

www.modot.org

From: Brian Holt <bholt@bfwengineers.com>
Sent: Thursday, November 6, 2025 8:06 AM
To: George Harris <gharris@jacksonmo.org>; Janet Sanders <jsanders@jacksonmo.org>; Sean Fox <Sean.Fox@lochgroup.com>; Scott Meyer <scott.meyer@lochgroup.com>; Larry Thomason <larry.thomason@lochgroup.com>
Cc: ddowdy1@bfwengineers.com; Kevin R. Plott <Kevin.Plott@modot.mo.gov>; Jake C. Butler <Jake.Butler@modot.mo.gov>
Subject: STP 3005(003) US 61 and Deerwood Roundabout Traffic Control

George/Janet,

Below is the contractor's official request to close Deerwood during the construction of the roundabout. Attached is the proposed detour routes for Deerwood. In addition to the benefits Dave mentions below, reduced delay time on US 61 is a huge benefit along shortening the length of project construction. I believe from our discussion last week that everyone thought closing Deerwood would be the best interest of the project.

Also discussed during the meeting was the need to add changeable message boards to the project to help alert drivers north of Rte Y and South of Rte D. Connection Point Church and the Jackson Civic Center will need to be contacted prior to the closure of Deerwood.

What are the next steps for getting approval from the city? Let me know what can be done to help expedite the process.

Brian Holt, PE
Resident Engineer

573-222-5632 *phone*

573-344-2320 *cell*

From: David McMullin <david@fronabarger.com>
Sent: Wednesday, November 5, 2025 3:34 PM
To: Brian Holt <bholt@bfwengineers.com>
Cc: Lydia <lydia@fronabarger.com>
Subject: Deerwood Traffic Control

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Brian:

In order to minimize traffic queues along Hwy 61 we propose a change in the traffic control from what is shown on the plans. Other added benefits are a safer work zone and a more seamless finished product. Attached is a detour plan for a full road closure of Deerwood during construction. There would be savings in traffic control in the amount of \$19,061.50.

One item that is not in the traffic control plans are changable message boards. We have obtained a price from Road Runner, our traffic control subcontractor, in the amount of 2 ea x \$4,500.00 = \$9,000.00 for the duration of the job.

Thank you

David McMullin

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