

Missouri Department of Transportation

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Parkville Community Director
8800 Clark Ave.
Parkville, MO 64052

RE: QuikTrip site development at MO 45 and MO 9.

Sean Ackerson,

This letter is in regards to the Quick Trip site development at MO 45 and MO 9. We have reviewed the plans and have approved the proposed layout. However, there are a couple of items that we have discussed with Darla Holman about. First item is the layout for Julian Dr. as shown on C114. MODOT would prefer to have a stop sign for the side road and one at the approach of Julian Dr. at MO 45 instead of three as proposed. The storage bays for Julian Dr. need to be shortened as they encroach into the intersection of the side road and Julian Dr. The second item is the yield and stop signs at the Right in Right out off of MO 45. We feel that the yield should be a stop sign instead of a yield sign so as to avoid any confusion that could occur at this location with the internal flow.

In regards to the requests for a signal to be placed at Julian Dr. and MO 45 as a result of this development, MODOT agrees with the findings of the Traffic Impact Study by Olsson Associates. In the TIS they reviewed two different warrants; Eight –Hour Warrant (Warrant 1) and the Peak Hour Warrant (Warrant 3). Neither warrant was satisfied for the intersection of Julian Dr. and MO 45. In addition to this Warrant 7 was also looked at and reviewed by Olsson Associates. Warrant 7 looks at Crash Experience and is intended for application where the severity and frequency of crashes are the principal reason to consider installing a traffic signal. The review of Warrant 7 concluded that based on the accident data that was provided the intersection did not meet MUTCD criteria for Warrant 7.

MODOT agrees with these findings and does not support the placement of a signal at this location. However, MODOT will continue to monitor the level of service of this intersection as well as others near this location and make adjustments as needed.

Respectfully,



Nathan Juliana
Senior Traffic Specialist



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