

MEMORANDUM

To: Beth Reardon, City Manager City of Belle Meade
From: Amy Burch, P.E.
Date: November 7, 2018
Re: Jackson Boulevard Traffic Calming Study Addendum
Subject: Traffic Calming Recommendations – Temporary Installation



Collier Engineering Co., Inc., conducted a traffic calming study for the section of Jackson Boulevard between Harding Road and Belle Meade Boulevard in March 2018. In determining our traffic calming recommendations, we considered the resident requests, operating speeds, traffic volumes, street characteristics, and observations along the study segment of Jackson Boulevard. In addition, we referenced the data and guidance presented in the *U.S. Traffic Calming Manual*, which is a publication of the American Planning Association (2009) as well as other resources.

In the original study, we recommended the installation of four (4) sets of speed humps spaced approximately 450 feet apart on Jackson Boulevard. Alternatively, speed cushions or speed tables could be installed instead of speed humps with similar results. Our recommended locations for the speed humps are shown in the image below.



Note: Installation of the above traffic calming concept is expected to lower the 85th percentile speed from 30 mph to 25 mph, per the methodology presented in the *U.S. Traffic Calming Manual*.

If two (2) speed humps or speed tables were to be installed for a temporary period during the nearby construction-related street closure of Hillwood Boulevard, we recommend the devices be installed at

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locations 2 and 4, as identified above. Our recommendation is based on the characteristics of the street network, location of homes along Jackson Boulevard, and the preferred spacing between intersections and speed humps to achieve optimal speed reduction.

With the installation of speed humps on Jackson Boulevard, Deer Park Drive and Deer Park Circle should be monitored as there is potential for cut-through traffic to divert from Jackson Boulevard to these alternate routes. However, we do not expect there to be a significant change in traffic patterns since Jackson Boulevard provides the shortest connection between Harding Pike and Belle Meade Boulevard as well as continued travel along Jackson Boulevard east of Belle Meade Boulevard. In addition, the intersection of Jackson Boulevard and Belle Meade Boulevard has all-way stop-control, which provides safe and time-efficient turns onto or across Belle Meade Boulevard from Jackson Boulevard.