



April 23, 2020

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BONDURANT, IOWA
SANKEY SUMMIT PRELIMINARY PLAT – PHASE 2
DEER RIDGE DRIVE
TRAFFIC CALMING ANALYSIS

This letter is to present Veenstra & Kimm, Inc.'s review of the existing Deer Ridge Drive and the proposed extension of Deer Ridge Drive through Sankey Summit – Phase 2 relative to traffic calming. The traffic impact study indicated Deer Ridge Drive has adequate capacity to accommodate the current and future traffic volumes.

The long reaches of unregulated portions of Deer Ridge Drive are considered conducive to vehicles traveling above the speed limit. Deer Ridge Drive would be considered attractive as a through route in preference to other north-south routes due to the ability to travel with few stopping movements.

Deer Ridge Drive has a relatively low traffic volume. The traffic volume combined with the residential nature of the development adjacent to Deer Ridge Drive impacts the types of traffic calming that would be considered appropriate. The traffic calming methods that were considered most suitable are stop signs at key intersections and the use of alternate side parking.

The use of alternate side parking was considered in those areas where there are not lots immediately abutting Deer Ridge Drive. In those areas parking can be alternated from the west side to the east side with little impact on the adjoining property owners. The alternate side parking would be combined with bump outs at the ends of the alternate side of parking. The bump outs along with the delineation of the travel lanes combine to slow traffic speeds.

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Enclosed is a copy of a preliminary drawing showing the concept for traffic calming. The traffic calming would add two stop sign controlled intersections at:

Aaron Ave NW
Mulberry Dr NW
5th St/Ct NW
Future Street B in Sankey Summit Phase 2

In addition, there are two blocks where alternate side parking is proposed. One block would be in the existing Deer Ridge Drive north and south of the intersection with Mulberry Dr NW. The other block of alternating parking would be between the southern street in Sankey Summit – Phase 2 and the existing intersection with Aaron St NW.

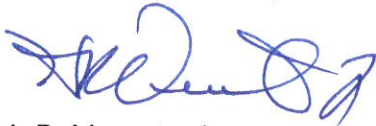
With the traffic calming shown on the enclosed plan the maximum distance of travel between either alternating parking or stop signs would be two blocks.

The proposed traffic calming would require minor modifications of the southern intersection with Deer Ridge Drive in the Sankey Summit – Phase 2 area. At that intersection traffic bump outs would be installed on the east side of Deer Ridge Drive for north bound traffic approaching the intersection. A traffic bump out would be installed on the west side of Deer Ridge Drive for south bound traffic approaching the intersection from the north.

The enclosed concept plan for traffic calming is being transmitted for review and comment.

If you have any questions or comments concerning the project, please contact the writer at 225-8000, or at bveenstra@v-k.net.

VEENSTRA & KIMM, INC.



H. R. Veenstra Jr.

HRVJr:kld
4285-093
Enclosure

Cc: John Horton, City of Bondurant – w/enclosure
Maggie Murray, City of Bondurant – w/enclosure

