

MEMORANDUM

To: Tiffany Hughes
Village of Minerva Park

From: Doug Iles, PE, Trans Associates

Date: December 19, 2018

Subject: Ponderosa Drive & Kerrwood Drive Stop Sign
MINERV00-P18219

Background Information

Trans Associates Inc. is pleased to provide the results of a traffic study to improve traffic control at the above-referenced intersection. The study incorporated a detailed field review of the existing conditions, a review of all previous traffic studies in the area in the past five years, and a recommendation of traffic control devices including yield and stop signs.

Trans Associates accomplished the following tasks to review existing conditions, provide our analysis and submit recommendations to improve operations at this intersection:

- Our technical staff reviewed previous traffic evaluations performed in 2013 and 2015 and collected available traffic studies prepared by others for this site.
- We discussed and obtained historical data regarding subject intersection from you and/or representatives of the Village. Reviews of previous Village Council meeting minutes were included as part of this task.
- Professional traffic engineers reviewed traffic access safety considerations along Ponderosa Drive (including intersection site distance) for potential mitigation measures.
- A field review of the intersection on December 18, 2018 confirmed that a stop sign has been installed on northbound Ponderosa Drive at the subject intersection.
- The only other signage at the intersection is a “No Outlet” sign at the southbound entrance to Ponderosa Drive as it is a cul-de-sac.

Analysis

Trans Associates provided a detailed review of the Ohio Manual of Uniform Traffic Control Devices (2012 Edition) for compliance. The appropriate section of the OMUTCD has been attached for reference.

The OMUTCD states that the side street should be stop controlled before the mainline, which is currently the case. However, at this intersection our traffic engineers have confirmed that sight distance issues on the movement from southbound Ponderosa Drive continuing to Kerrwood Drive make this intersection problematic. To improve safety and address the site distance issue on Ponderosa Drive, Trans Associates recommends that the Village install a STOP sign in the north leg of the intersection, for southbound traffic on Ponderosa Drive.

Figure 1 below indicates the existing conditions at the subject intersection, and denotes the location of the proposed stop sign.

Recommendations:

Trans Associates recommends a STOP sign be installed at the location denoted in Figure 1. We also recommend that a supplemental plaque ONCOMING TRAFFIC DOES NOT STOP (W4-4b) also be installed immediately below the STOP sign.

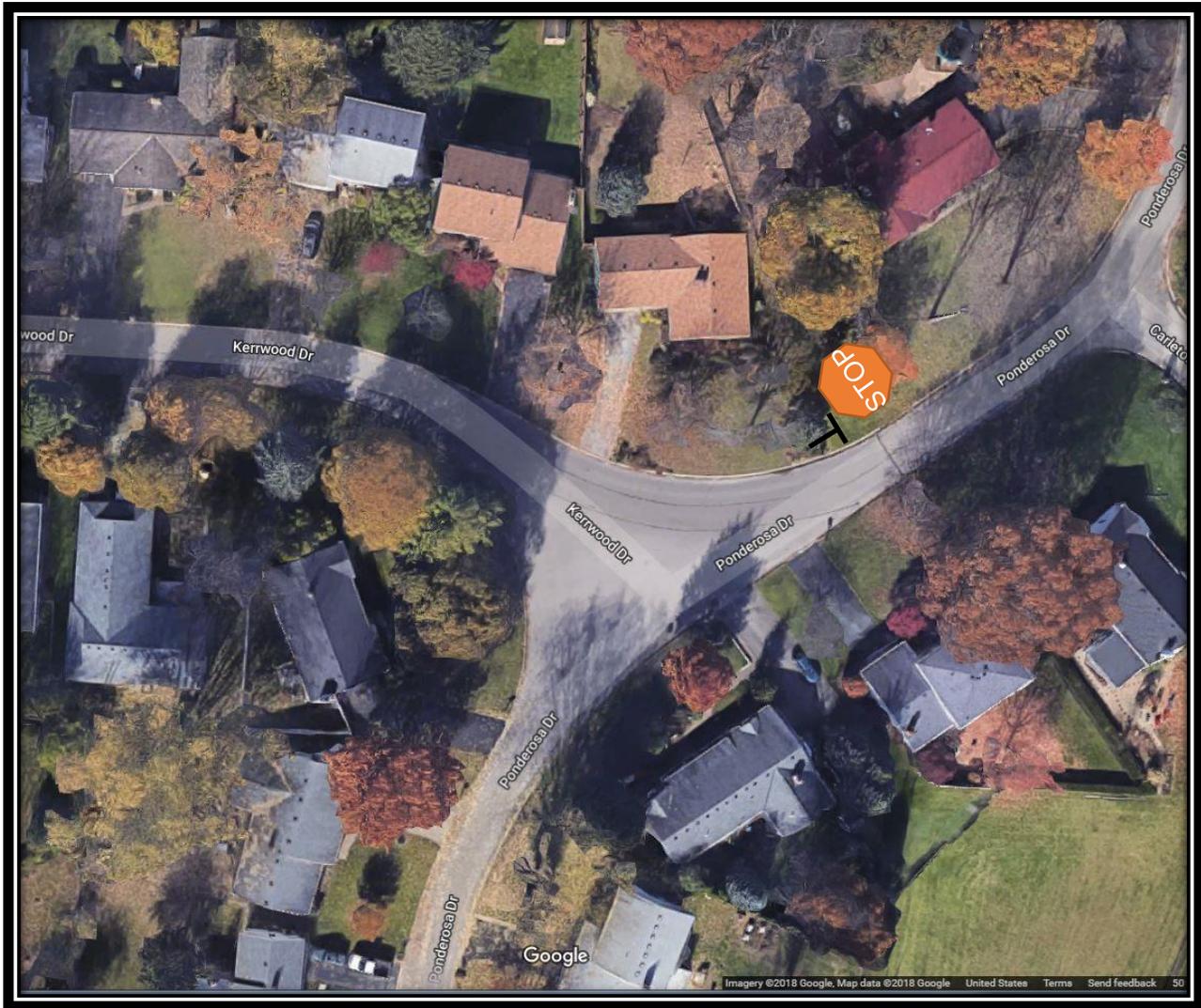


FIGURE 1: Stop Sign Placement