

Traffic Safety Update 12/10/2020 Mitigation for Three Mariposa Intersections

Summary of an Intersection Sight Distance Evaluation Requested by the MNA

The City's traffic engineer, Travis Johnson has completed his line-of-sight safety study of three intersections requested by the Mariposa Neighborhood Association (MNA) Traffic Safety Special Committee.

FINDINGS

All three intersections were found to be unsafe as they do NOT meet the minimum line of sight Clear Sight Triangles required to safely navigate turns based on criteria of the American Association of State Highway and Transportation Officials' (AASHTO) Geometric Design of Highways and Streets (Green Book). All three of these intersections are in violation of City Ordinance 154.77.

MITIGATION

VENADA ROAD

For the **Blue Grama Drive and Venada Road** the desired line of sight is not available on eastbound Blue Grama for stopped vehicles to navigate left turns from **northbound Venada** as the line of sight is obstructed due to a Crest Vertical Curve. The mitigation will be that **the City shall install an advance warning sign and advisory speed limit** on the eastbound approach approximately 400 ft in front of the intersection as follows:



Further, the desired line of sight is not available on eastbound or westbound Blue Grama for stopped vehicles to navigate right or left turns from **southbound Venada**. The first mitigation step will be removal of landscape vegetation and a silt fence that has obstructed the Clear Sight

Triangle. **The city will work with the MCA (HOA) and two property owners to achieve this.** After that step is completed, a follow-up study will be conducted to see if the issue persists.

DESERT MARIGOLD ROAD

For the **Blue Grama Drive and Desert Marigold Road** intersection the desired line of sight is not available on northeast-bound or southwest-bound Blue Grama for stopped vehicles to navigate right or left turns from Desert Marigold. The first mitigation step will be removal of landscape vegetation that has obstructed the Clear Sight Triangle. **The city will work with the MCA (HOA) and two property owners to achieve this.** After that step is completed, a follow-up study will be conducted to see if the issue persists.

RIDGE COURT ROAD

For the **Blue Grama Drive and Ridge Court** southbound approach, the desired line of sight is not available on eastbound Blue Grama for stopped vehicles to navigate left turns from southbound Ridge. The first mitigation step will be removal of landscape vegetation that has obstructed the Clear Sight Triangle. **The city will work with the MCA (HOA) to achieve this.** After that step is completed, a follow-up study will be conducted to see if the issue persists.