

City Council Agenda Memo

From: Charlie Richter, City Engineer

Council Meeting: January 25, 2022

Subject: Installation of stop signs at the Intersection of 9th Street and 9th Avenue, making it a 4-way stop

Presenter: Charlie Richter, City Engineer

Summary:

City Staff requests City Council Action on the installation of stop signs at the Intersection of 9th Street and 9th Avenue, making it a 4-way stop.

Background:

The Traffic Safety Committee discussed the issue of making the intersection of 9th Street and 9th Avenue a 4-way stop at their October 14, 2021 and December 9, 2021 meetings due to a complaint about the sight distance for this intersection. Although the intersection is already stopped in the 9th Avenue direction, when cars are parked along the north side of 9th Street, sight distance is limited for traffic approaching from the north on 9th Avenue.

Item Details:

The City Engineering Department analyzed the sight distance at this location. The required sight distance for this intersection is approximately 155 feet, but is limited to 60 feet when cars are parked along 9th Street. Also, a hedge growing on the southeast corner of the intersection limits sight distance for traffic on 9th Avenue when approaching from the south.

The committee reviewed the Manual of Uniform Traffic Control Devices (MUTCD). The MUTCD states the following: "Section 2B.07 Multi-Way Stop Applications, Support: Multi-way stop control can be useful as a safety measure at intersections if certain traffic conditions exist. Safety concerns associated with multi-way stops include pedestrians, bicyclists, and all road users expecting other road users to stop. Multi-way stop control is used where the volume of traffic on the intersecting roads is approximately equal."

According to MUTCD, criteria that can be considered in an engineering study includes: "Locations where a road user, after stopping, cannot see conflicting traffic and is not able to negotiate the intersection unless conflicting cross traffic is also required to stop"

The committee concluded that this intersection met the warrant under the criteria above. Due to the limited sight distance for traffic traveling on 9th Avenue the Committee voted

unanimously to recommend the intersection be converted from a 2-way stop to a 4-way stop.

Legal Consideration:

None.

Strategic Plan Consideration:

Safe, Inclusive, Connected Community – Improving the safety of pedestrians and vehicular traffic in a high traffic area of Brookings.

Financial Consideration:

The City will purchase and install two stop signs costing approximately \$150.00.

Options and Recommendation:

The City Council has the following options:

1. Approve as presented
2. Amend
3. Deny
4. Move the item to a study session
5. Discuss / take no action / table

Staff recommends approval of two additional stop signs at the Intersection of 9th Street and 9th Avenue.

Supporting Documentation:

Memo

Resolution

Legal Notice

Map