

City Council Agenda Memo

From: Charlie Richter, City Engineer

Council Meeting: January 25, 2022

Subject: Placement of Yield Signs at the intersection of 9th Street and 8th Avenue

Presenter: Charlie Richter, City Engineer

Summary:

City Staff requests City Council Action on the placement of two-way yield signs at the intersection of 9th Street and 8th Avenue.

Background:

The Traffic Safety Committee discussed the issue of installing yield signs at the intersection of 9th Street and 8th Avenue at their October 14, 2021 and December 9, 2021 meetings. The committee discussed that there is a significant number of students who travel through this neighborhood. Also, unlike a majority of the intersections in this neighborhood which are already controlled by traffic control devices, this intersection is inconsistent as there is no traffic control device for this intersection.

Item Details:

The committee reviewed the Manual of Uniform Traffic Control Devices (MUTCD), Section 2B.09, Yield Sign Applications. The MUTCD states the following: "Section 2B.09, Yield Sign Applications

"Option: 01 YIELD SIGNS may be installed:

- A. On the approaches to a through street or highway where the conditions are such that a full stop is not always required.
- B. At the second crossroad of a divided highway, where the median width at the intersection is 30 feet or greater. In this case, a STOP or YIELD SIGN may be installed at the entrance to the first roadway of a divided highway, and a YIELD SIGN may be installed at the entrance to the second roadway.
- C. For a channelized turn lane that is separated from the adjacent travel lanes by an island, even if the adjacent lanes at the intersection are controlled by a highway traffic control signal or STOP SIGN.
- D. At an intersection where a special problem exists and where engineering judgement indicates the problem to be susceptible to correction by the use of the YIELD SIGN.

E. Facing the entering roadway for a merge-type movement if engineering judgement indicates that control is needed because acceleration geometry and/or sight distance is not adequate for merging traffic operation.”

The committee concluded this intersection met the warrant under Option D above and recommends the installation of yield signs for two of the approaches. Due to the significant number of students who travel this area and the significant number of intersections in this neighborhood which are already controlled with traffic control devices, it was determined that a special problem exists at this location. It is recommended the intersection be controlled with YIELD SIGNS to be consistent with the neighborhood. Due to the presence of a valley gutter on the east side of the intersection, it is recommended to locate the YIELD SIGNS on the 9th Street leg of the intersection, letting the north/south traffic have the through movement.

Legal Consideration:

None.

Strategic Plan Consideration:

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

Financial Consideration:

The City will purchase and install two yield 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-way yield signs on at the intersection of 9th Street and 8th Avenue.

Supporting Documentation:

Memo

Resolution

Legal Notice

Map