



MEMORANDUM

TO: Mayor Jones and Members of the Board

FROM: Karen Proctor, Town Administrator

DATE: July 21, 2022

RE: Stop Signs

DISCUSSION:

At the June 2, 2022, the Board discussed the request from a few residents to add stop signs northbound on S Norfolk Street at the Davies Ave intersection and southbound on S Norfolk Street at the Davies Ave intersection. The Board requested Town Administrator Proctor contact SEH's traffic engineer for input.

Annette N. Marquez, SEH Traffic Engineer, stated that typically, a stop sign goes through a warrant process, similar to a traffic signal. The process to determine if a stop sign is warranted relies on information regarding crashes (specifically ones that are correctible by a stop sign: approach turn, broadside and the like) and hourly volumes. The Manual on Uniform Traffic Control Devices (MUTCD) encourages yield signs over stop signs where applicable and may be another option if a warrant is not met. MUTCD Sections 2B.05 through 2B.07 offer guidance for stop sign applications.

A warrant process includes gathering the following information for stop signs:

- traffic counts at the intersection
- crashes at the intersection
- analysis of the data per the MUTCD

Ms. Marquez recommended these be done to see if the results rise to the necessity of a stop sign.

In order to get traffic counts and speed data at this intersection, the Town may need to install two additional receivers both north and southbound on Norfolk.

The following portable speed sign receivers have been installed.

Richfield Gate - North and South

Hinsdale Ave – East and West Chaparral near entrance

Easter Ave - East and West Chaparral near entrance

The Waco North receiver has not yet been installed. Trustee Thompson has the receiver and concrete, but installation is pending a final decision for this location.

The cost for the all the above seven (7) receivers (including Waco) is:

DenCo (2.5" square tubing cut to length + drill bit for holes) = \$380.22

Concrete (80lb bag Sakcrete Extra Strength 5ea. – provided by B Johnson) = \$29.60

Total = \$409.82

To install receivers on Norfolk the Town will have to purchase a 12-foot length of 2.5" square tubing for two (2) receivers. DenCo typically cuts from 24-foot length. Trustee Thompson has worked with the sales representative, and they will only charge us for half the length - cutting 6 total 2-foot length receivers out of a 12-foot section. We may only use two, but we will have four on hand for replacement or new positions in the future.

The cost for this special cut will be \$195.98.

Does the Board want to move forward with the installation at Waco and purchase six additional receivers to install 2 on Norfolk to gather traffic counts for the stop sign analysis?