

Staff Responses to Council Questions 11/2/2021

Active Agenda - B. Ordinance: An ordinance amending certain traffic control provision related to neighborhood traffic study #7 and the Prairie Avenue Corridor Plan?

1. How much do permanent speed feedback signs cost?
 - a. *Approximately \$3,000 each*

2. Are permanent speed feedback signs effective?
 - a. *Per a study by the Institute of Transportation Engineers (ITE) from May 2020, speed feedback signs generally cause an initial drop in mean speed of about 2% on average. After the signs have been in place for five years, speeds are still reduced, but the overall reduction is approximately 1%. It should be noted that, while this study focused on mean speeds, generally the Village looks at the 85th percentile speeds to analyze speeding.*

3. Can Warren Avenue be widened?
 - a. *It does appear that there is enough room within the existing right-of-way to widen the pavement of Warren to accommodate sharrows. Between Montgomery and Saratoga the pavement would need to be widened approximately 8', which would impact power lines and parkway trees. This would likely require reconstruction of the roadway. Between Belmont and Lee, the pavement would need to be widened approximately 4'. This would likely require resurfacing along with drainage improvements in some locations. Widening this portion of Warren could potentially increase traffic speeds. Widening would also require the construction of stormwater post-construction Best Management Practices (BMP's). It should also be noted that Warren was recently resurfaced.*

