



City of League City, TX

300 West Walker
League City TX 77573

Text File

File Number: 21-0373

Agenda Date: 7/13/2021

Version: 1

Status: ATS Review

In Control: Engineering

File Type: Agenda Item

Title

Consider and take action on an ordinance to set a 30 MPH speed limit along Turner Street from the intersection with Calder Drive to the intersection with Butler Road, a distance of approximately 0.28 miles (Director of Engineering)

Staff requests approval on first and final reading.

..Background:

Approval of this item will set a 30 MPH speed limit on Turner Street from the intersection of Calder Drive to the intersection of Butler Road. Between June 15th and June 17th of 2021, City Staff performed a traffic study of this area of Turner Street. The existing speed limit along Turner Street within this area is 25 MPH. Examination of the study showed that eastbound traffic averaged approximately 406 vehicles per day and westbound traffic averaged approximately 975 vehicles per day. The study also revealed that the 85th Percentile Speed of vehicles measured during the study had a weighted average of 29 MPH for the combined east and west bound lanes.

The 85th Percentile speed means the speed at or below which 85% of all vehicles are observed to travel under free-flowing conditions. This is one of the standards used by Traffic and Transportation Engineers to set speed limits at a safe speed to help in minimizing crashes and promoting uniform traffic flow along a given traffic corridor. Some of the other standards used to set speed limits are (1) lane and shoulder configurations/widths, (2) presence of vertical/horizontal curves, (3) sight distances, and (4) surrounding developments.

Turner Street has been designated as a Collector Road within the City's Master Mobility Plan. In Chapter 110, Section 166 of the City's Code of Ordinances, speed limits for collector roadways are to be set at 35 MPH. Based on the traffic data from the 2021 speed study, it appears the current speed limit of 25 MPH is artificially low, and the Engineering Department is recommending a speed limit increase to 30 MPH in this area at this time.

Staff requests a first and final reading for this proposed ordinance.

Attachments:

1. Data Sheet
2. Proposed Ordinance
3. Turner Street Speed Study Summary
4. Aerial Map

FUNDING

{X} NOT APPLICABLE

STRATEGIC PLANNING:

{X} Addresses Strategic Planning Critical Success Factor #1 - Develop & Maintain our Infrastructure