



Interoffice Memorandum

January 9, 2024

TO: Mayor Jerry L. Demings
-AND-
County Commissioners

FROM: Joseph C. Kunkel, P.E., Director, Public Works Department

CONTACT PERSON: Humberto L. Castillero, P.E., PTOE, Manager
Traffic Engineering Division

PHONE NUMBER: (407) 836-7891

SUBJ: Approval to Decrease the Speed Limit on Town Center Boulevard between Raintree Ridge Road and Southmeadow Drive from 40/45 mph to 35 mph.

Concerned citizens have requested Orange County to review the posted speed along Town Center Boulevard between Raintree Ridge Road and Southmeadow Drive. They related that the posted speeds of 40 mph and 45 mph present a safety risk.

Pedestrian safety, corridor speed continuity, and accident statistics were the primary considerations for a speed reduction analysis along the Town Center Boulevard corridor. The Florida Department of Transportation uses a Context Sensitive Road classification when determining Target Speed. Target Speed is the highest speed at which vehicles should operate on a thoroughfare in a specific context, consistent with the level of multi-modal activity generated by adjacent land uses, providing both mobility and a supportive environment for vehicles, pedestrians, bicycles, and public transit users.

This corridor fits a C3R-Suburban Residential or C4-Urban General classification with target speed range of 35 – 55 mph and 25 – 45 mph respectively. Additionally, Traffic Engineering hired a consultant to perform a Traffic Calming and Access Management Safety Study along Town Center Blvd, the speed data for the corridor shows an 85th percentile speed for both directions combined in the range of 41 – 55 mph. Based on these speed characteristics, lowering the speed limit to attain the 35 mph Target Speed along the corridor is necessary.

Based on the evaluation performed, study results, roadway characteristics, and operating characteristics, it is recommended to lower the posted speed limit on Town Center Boulevard between Raintree Ridge Road and Southmeadow Drive from 40/45 mph to 35 mph.

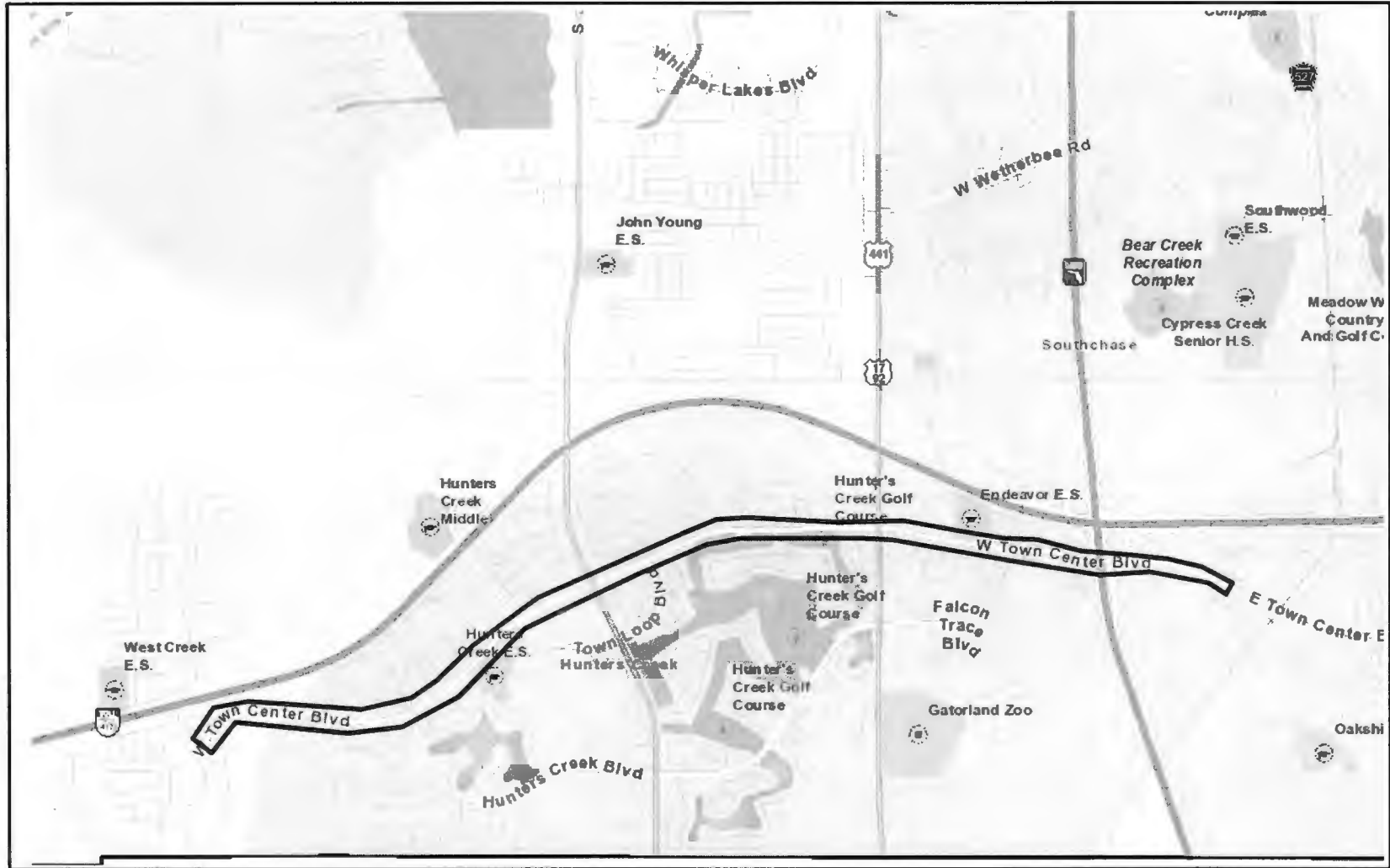
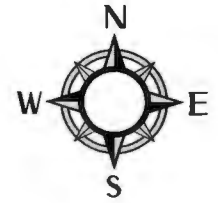
Action Requested: Approval to decrease the speed limit on Town Center Boulevard between Raintree Ridge Road and Southmeadow Drive from 40/45 mph to 35 mph. District 1.

JCK/HLC/YP/frc

Attachments



Town Center Boulevard Consent Agenda District Map



District 1: Commissioner Nicole Wilson