



Interoffice Memorandum

November 29, 2021

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 Dixie Belle Drive**

A concerned citizen has requested the City of Orlando to review the posted speed along Dixie Belle Drive between Curry Ford Road and Gatlin Avenue. Dixie Belle Drive falls within the City of Orlando's jurisdiction, but is maintained by two different organizations. From Curry Ford Road to Pershing Avenue, Dixie Belle Drive is maintained by Orange County. Whereas from Pershing Avenue to Gatlin Avenue, Dixie Belle Drive is maintained by the City of Orlando. The posted speed limit on this section of Dixie Belle Drive is 40 mph. The citizen has safety concerns that the posted speed limit is too high along this segment.

The roadway context classification, pedestrian safety needs, and accident statistics are the primary considerations for reducing the speed limit along Dixie Belle Drive. A speed study was conducted by the City of Orlando which included field data and use of the FHWA USLIMITS2 software. The average 85th percentile speed is 41 mph and the 50th percentile speed is 35 mph. The USLIMITS2 recommends the speed of 35 mph. 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 is classified as a C4-Urban General with a target speed range between 30 mph and 45 mph.

Based on the operational analysis performed by the City of Orlando and FDOT's context classification, Orange County Traffic Engineering recommends the decrease of the posted speed limit along Dixie Belle Drive between Curry Ford Road and Gatlin Avenue from 40 mph to 30 mph.

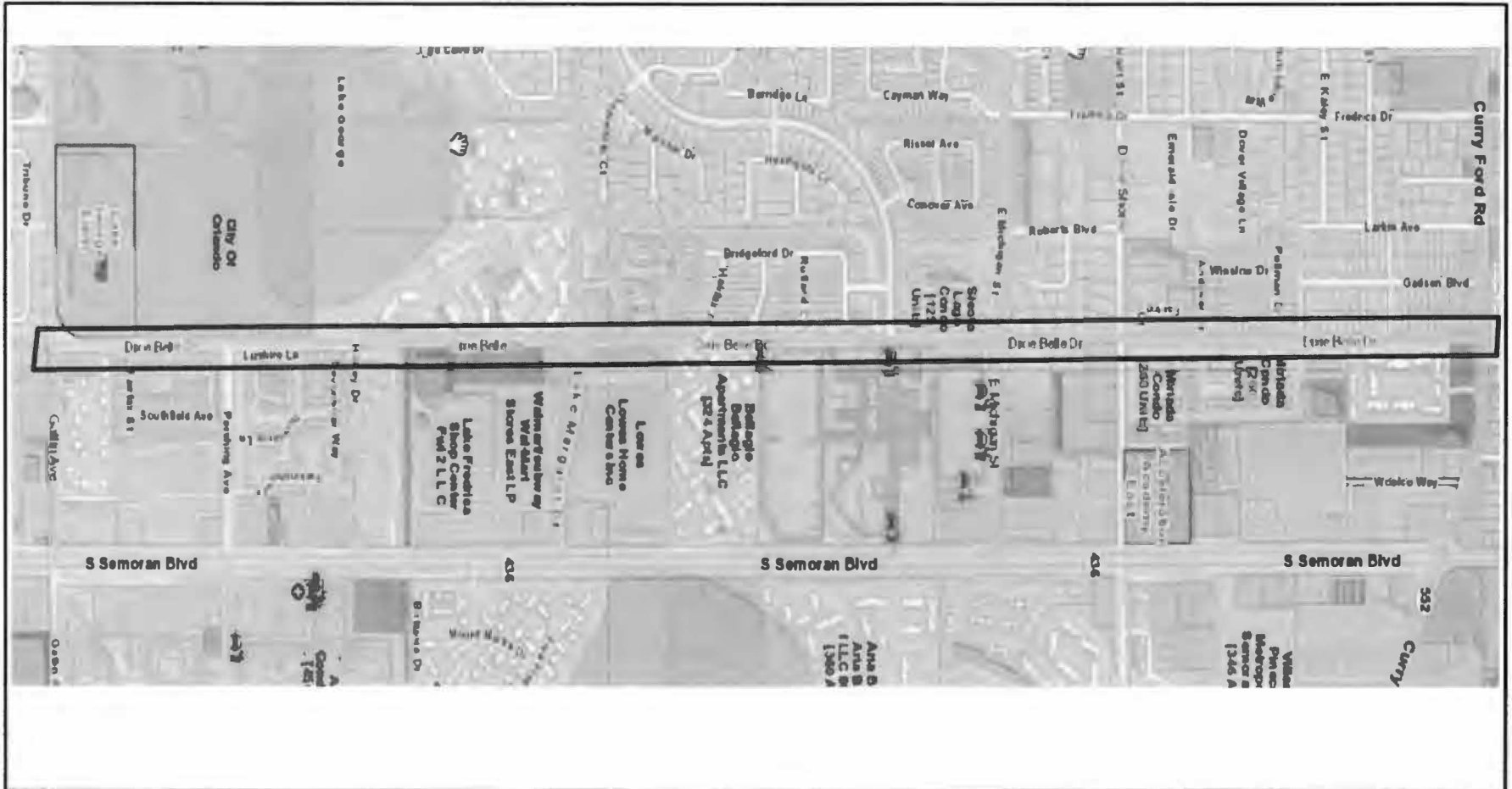
Action Requested: Approval to decrease the speed limit on Dixie Belle Drive between Curry Ford Road and Gatlin Avenue from 40 mph to 30 mph. District 3.

JCK/HLC/VP/dar

Attachments



Dixie Belle Drive Consent Agenda District Map



District 3: Commissioner Mayra Uribe