



Interoffice Memorandum

July 14, 2020

TO: Mayor Jerry L. Demings
and Board of County Commissioners

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

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Traffic Engineering Division

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SUBJ: **Installation of Raised Crosswalk for a School Crossing at Oleander Drive and Tucker Avenue**

Traffic Engineering staff recently conducted evaluations due to complaints of the speed of vehicles approaching the designated school crossing listed below. The location already meet the County's criteria for a marked crossing during school hours due to the high volumes of children crossing. The Orange County Sherriff's Office and the Orange County Public School Administrator's Office have also expressed concern for the safety of pedestrians at these locations:

- Oleander Drive at Tucker Avenue for Colonial High School
 - Average Annual Daily Traffic (AADT) 5,402

The evaluation concluded that the installation a raised crosswalk would provide a visual and physical cue to effectively reduce vehicle speeds and provide better pedestrian conspicuity. These roadways are in close proximity to Colonial High School, and the raised crosswalk would make the pedestrian more prominent in the driver's field of vision. Under the current Traffic Calming policy raised pedestrian crosswalks are not included. They are a vertical deflection similar to that of a speed table. The speed table volume requirements currently adopted by Orange County allows for a maximum AADT volume of 3,000 vehicles per day (vpd), the Federal Highway Administration has adopted guidelines that allow for AADT's of up to 9,000 vpd. Traffic Engineering would like to follow these federal guidelines in order to improve pedestrian crossing locations and reduce crashes. Additionally, the approach ramp would reduce vehicle speeds and improve motorist yielding to pedestrians within the elevated crosswalk. The project is being funded through the Traffic Calming Program.

Staff recommends that the Board approve the installation of a raised crosswalk for the school crossing listed above.

Action Requested: Approval to install a raised crosswalk on Oleander Drive at Tucker Avenue for Colonial High School. District 3.

JCK/HLC/CPC/wm

Attachments

Colonial HS- Oleander Dr E- of Amber Rd

 Speed Table Typ. 22' Wide





Oleander Dr Consent Agenda District Map



District 3: Commissioner Mayra Uribe