



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

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

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SUBJ: **Installation of a Raised Crosswalk for a School Crossing on Eastwood Drive at Rouse Lake Road for University High School**

Traffic Engineering staff recently conducted evaluations due to complaints of the speed of vehicles approaching while students were trying to cross the street. After an evaluation of both entrances to University High School, staff noticed that all of the walkers who were crossing Eastwood Drive were crossing at the intersection of Eastwood Drive and Rouse Lake Road. This is also the location of a gated pedestrian entrance for the school. There were no students crossing at the existing marked crosswalk on Eastwood Drive near the school running track entrance. This existing marked crosswalk is also not American with Disabilities Act compliant. The intersection of Eastwood Drive and Rouse Lake Road has an Average Annual Daily Traffic (AADT) of 7,610.

The evaluation confirmed that the installation of a raised crosswalk would provide a visual and physical cue to effectively reduce vehicle speeds and provide better pedestrian conspicuity. A raised crosswalk on Eastwood Drive at the intersection of Rouse Lake Road 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 on Eastwood Drive at Rouse Lake Road.

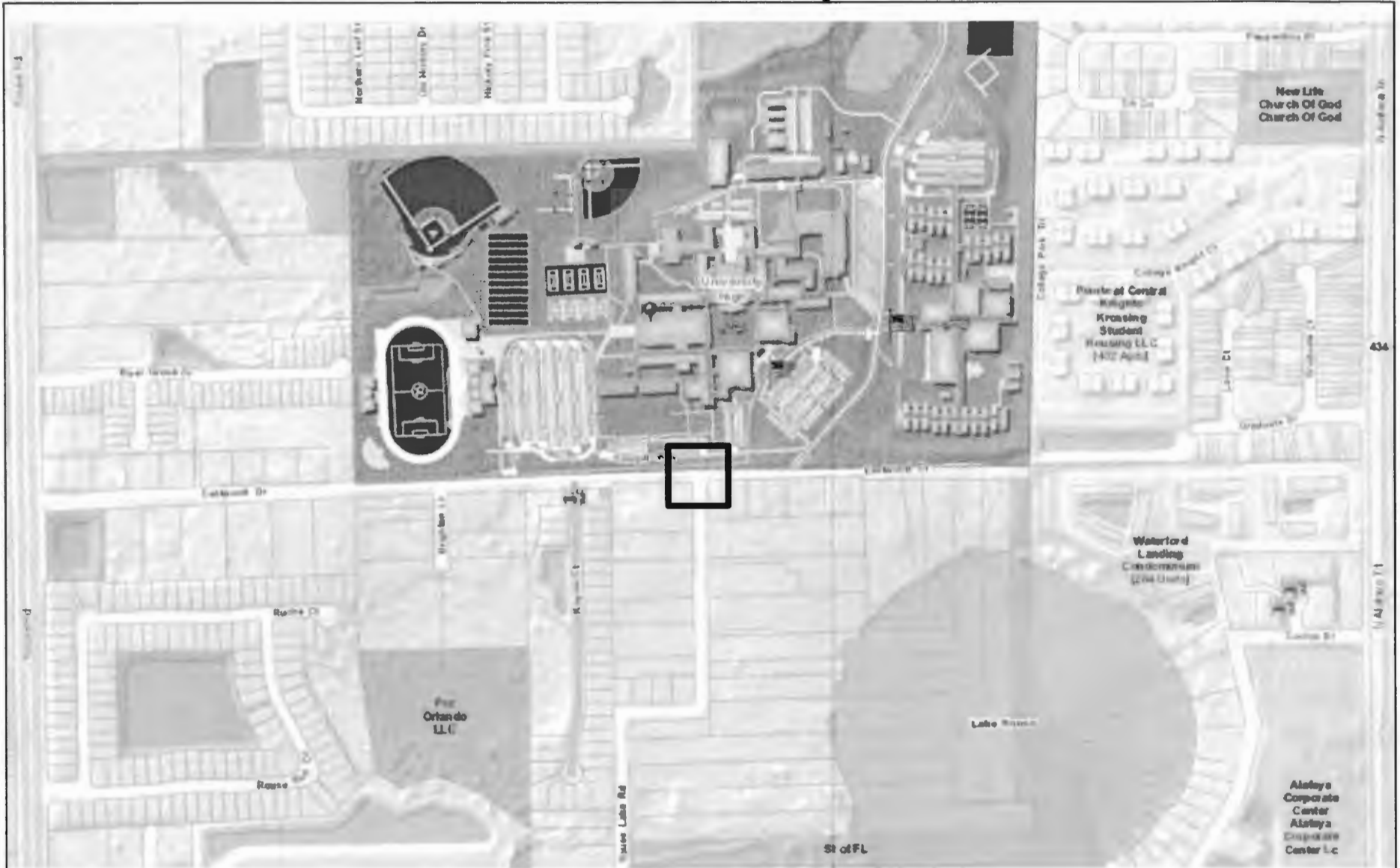
Action Requested: Approval to install a raised crosswalk on Eastwood Drive at Rouse Lake Road for University High School. District 5.

JCK/HLC/CPC/wm

Attachments



Eastwood Dr Consent Agenda District Map



District 5: Commissioner Emily Bonilla

University HS – On Eastwood Dr on the west side of the intersection with Rouse Lake Rd

 Speed Table Typ. 22' Wide

