



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

PHONE NUMBER: (407) 836-7891

SUBJ: **Installation of Raised Crosswalks for School Crossings on Tattant Boulevard and Overstreet Road at Nobleton Drive**

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

- Tattant Boulevard at Horizon West Middle School entrance
 - Average Annual Daily Traffic (AADT) 5,175
- Overstreet Road at Nobleton Drive for Horizon West Middle School
 - AADT 5,175

The evaluation concluded that the installation of raised crosswalks would provide a visual and physical cue to effectively reduce vehicle speeds and provide better pedestrian conspicuity. These roadways are in close proximity to Horizon West Middle School and the raised crosswalks 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 ramps 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 raised crosswalks for the school crossings listed above.

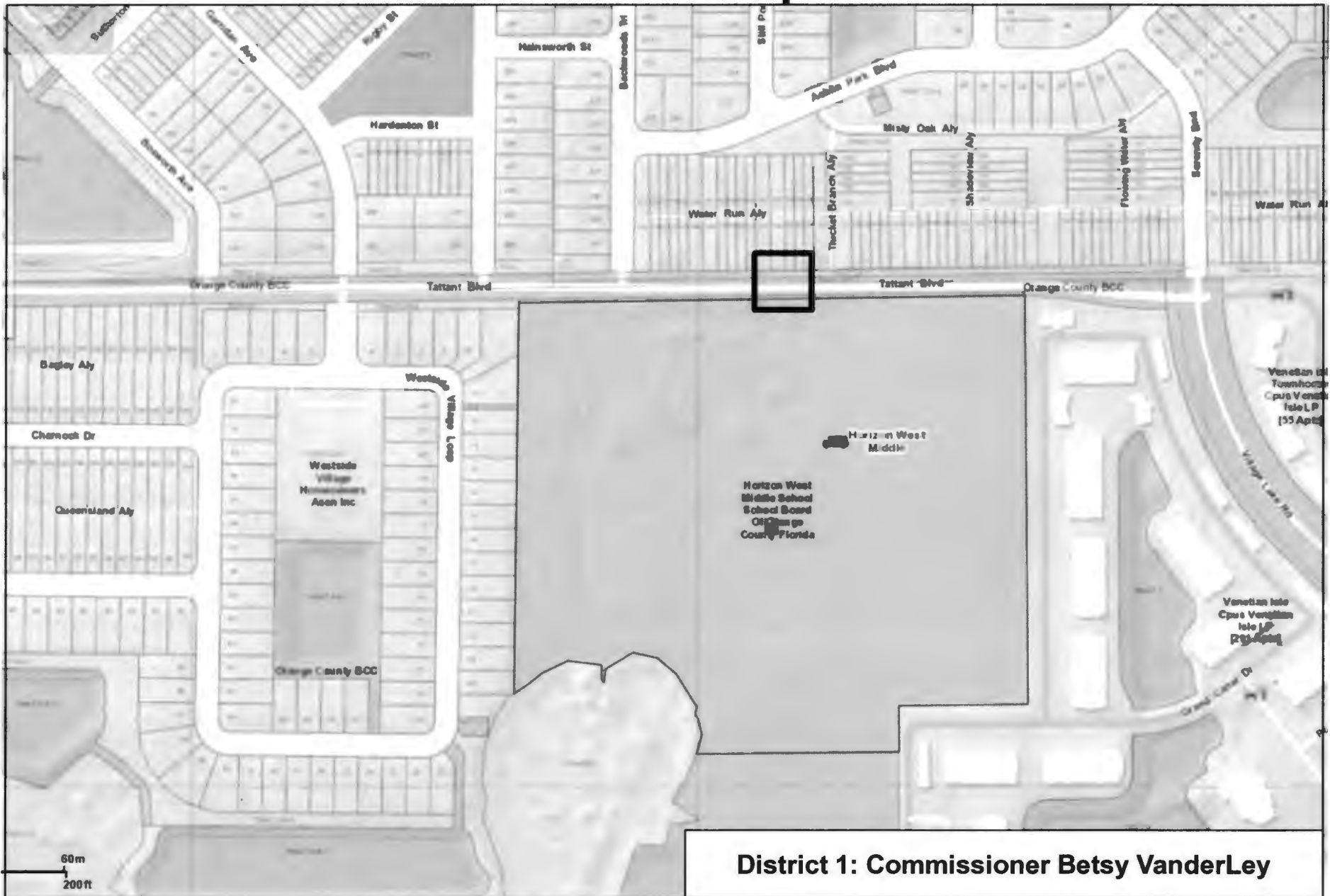
Action Requested: Approval to install raised crosswalks on Tattant Boulevard at Horizon West Middle School entrance and Overstreet Road at Nobleton Drive. District 1.

JCK/HLC/CPC/wm

Attachments

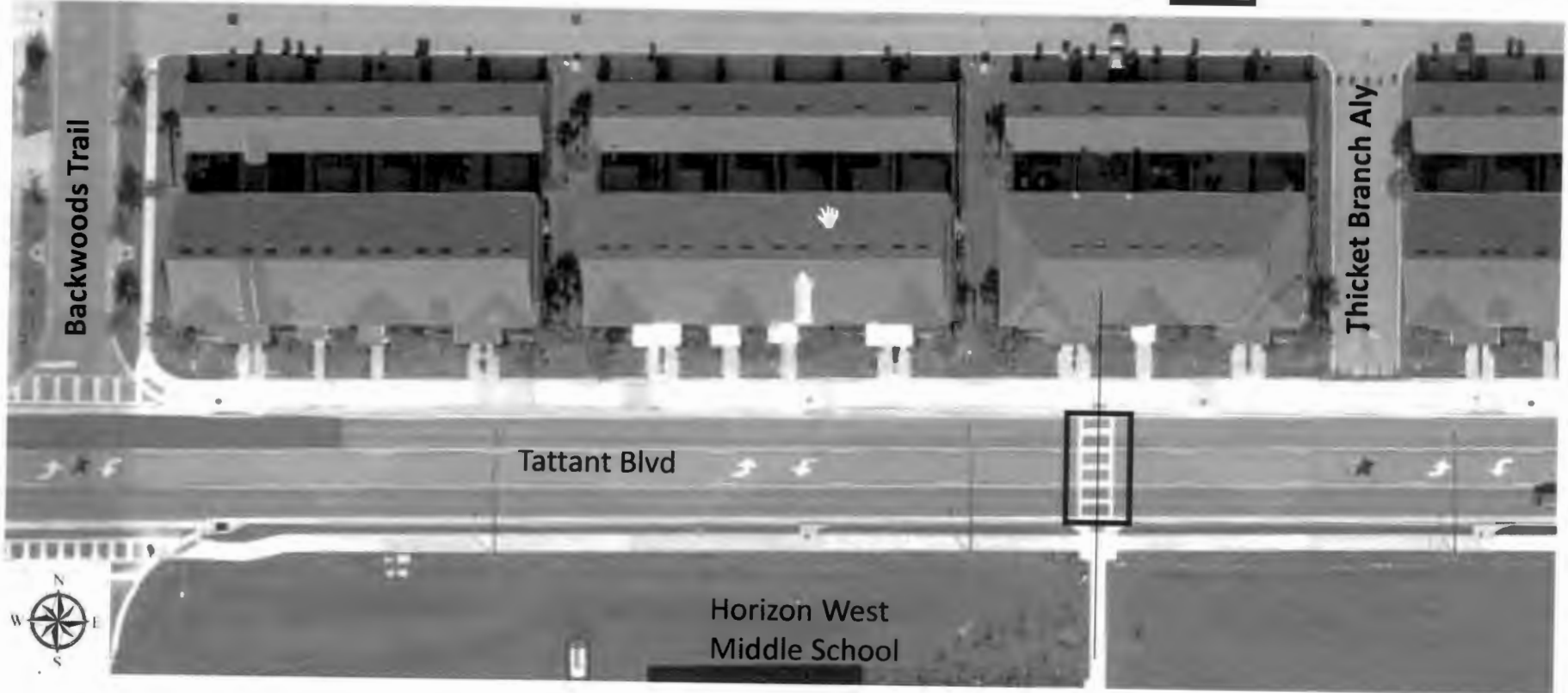


Tattant Blvd at Horizon West Middle Consent Agenda District Map



Tattant Blvd E - of Backwoods Trail

 Speed Table Typ. 22' Wide





Overstreet Rd at Bentonshire Ave Consent Agenda District Map



District 1: Commissioner Betsy VanderLey

Overstreet Rd and Nobleton Dr



Speed Table Typ. 22' Wide



Remove/Restore

