



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 Crosswalks for School Crossings on Lakeville Road
and Pioneer Road at Denson 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:

- Lakeville Road at Piedmont Lakes Middle School entrance
 - Average Annual Daily Traffic (AADT) 6,410
- Pioneer Road at Denson Drive for Ridgewood Park Elementary School
 - AADT 5,451

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 Piedmont Lake Middle School and Ridgewood Park Elementary School entrance, 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 Lakeville Road at Piedmont Lakes Middle School entrance and Pioneer Road at Denson Drive for Ridgewood Park Elementary School. District 2.

JCK/HLC/CPC/wm

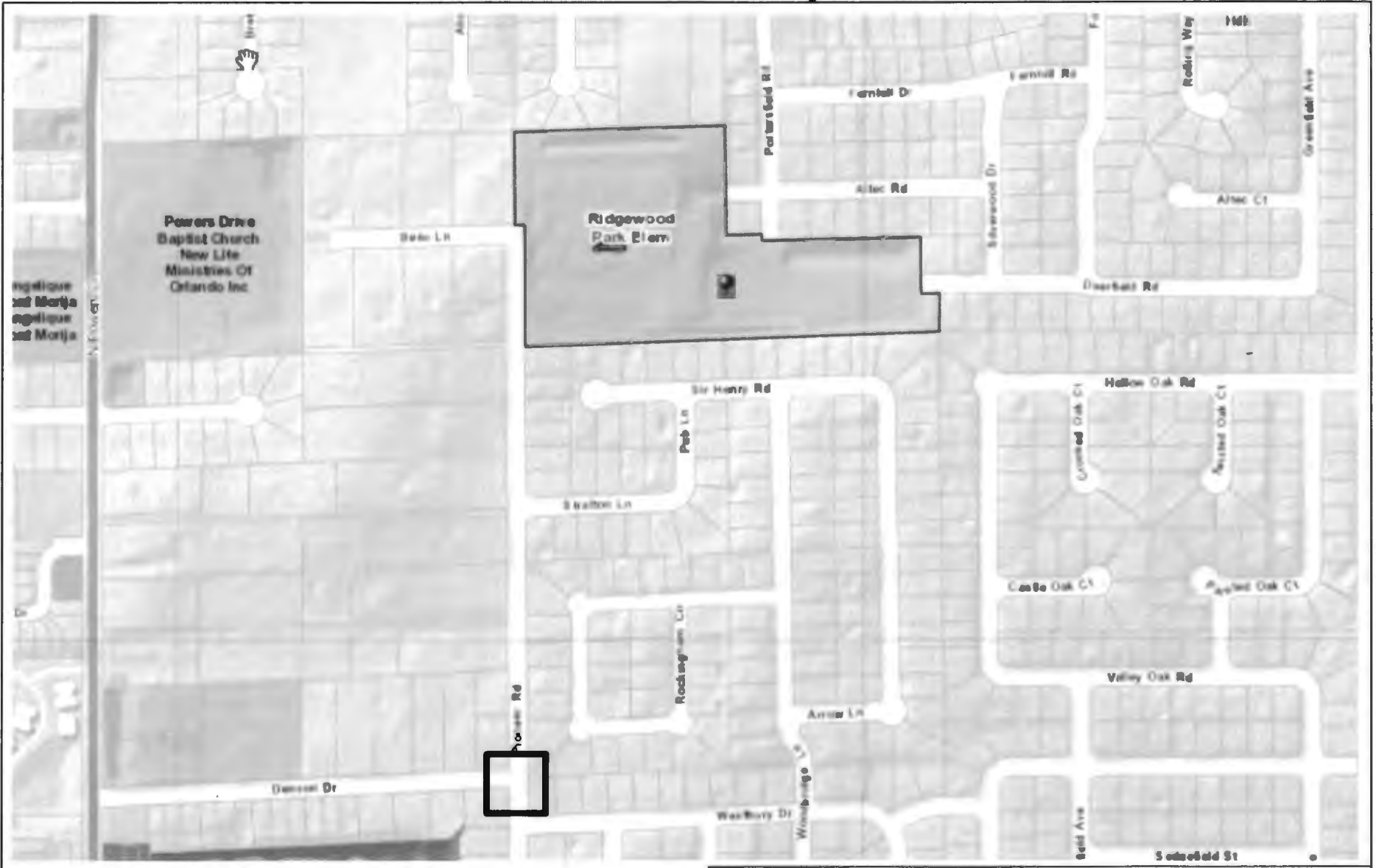
Attachments

Ridgewood Park Elementary – Pioneer Rd @ Denson Dr

 Speed Table Typ. 22' Wide



Pioneer Rd Consent Agenda District Map



District 2: Commissioner Christine Moore

Piedmont Lakes Middle – Lakeville Rd @ Pine St

 Speed Table Typ. 22' Wide





Lakeville Rd Consent Agenda District Map



District 2: Commissioner Christine Moore