



Public Works Department
2725 Judge Fran Jamieson Way
Building A, Room 201
Viera Florida 32940

BOARD OF COUNTY COMMISSIONERS

Inter-Office Memo

TO: Corrina Gumm, P.E., Engineering Manager

FROM: Cynthia Morris, Traffic Engineering Specialist

DATE: November 2, 2023

SUBJ: Speed Hump Study – E. Crisafulli Rd. between N. Courtenay Pkwy. and Judson Rd.,
(ROAD #21400)
District #2 – Section 23, Township 23, Range 36

At the request of the residents along E. Crisafulli Road between N. Courtenay Parkway and Judson Road, a speed hump study was conducted to determine if conditions exist to warrant the installation of speed humps.

As per the speed hump policy, speed humps should only be used:

1. On two lane residential streets, with a speed limit of 30 mph or less.

E. Crisafulli Road is a two-lane residential roadway with a posted speed limit of 30 mph; therefore this criterion is met.

2. The speed hump(s) shall be on tangent sections, with limited horizontal and vertical curvature, without sight obstruction and a minimum roadway length of 500 feet.

This section of E. Crisafulli Road is a residential roadway that intersects with N. Courtenay Parkway to the west and an intersects with Judson Road to the east. It should be noted, that the total length of E. Crisafulli Road is approximately 10,800 feet long. The portion of E. Crisafulli Road requesting speed humps is approximately 3026 feet in length. Therefore this criterion is met.

3. The requestor must survey residents within the benefited area (that portion of the road on which the speed humps would be installed) and shall obtain approval of a minimum of eighty-five (85%) of these residents.

Eighty-five percent (85%) benefited area approval required: 95%

This criterion is met.

4. The average daily volume shall be less than 1,500 vehicles per day as determined by the traffic study performed by staff. In the event the daily traffic volume is greater than 1,500 vehicles per day, speed humps shall not be installed.

The traffic counts indicate an average daily volume of 1,189 vehicles for location #1, 1,106 vehicles for location #2, 1,029 for location #3, and 969 vehicles for location #4. Therefore, this criterion is met.

5. The “speed hump ranking formula” (evaluation score) is based upon the average 85% speed, posted speed limit, average daily traffic (ADT), number of houses served, number of speed humps, number of vehicle crashes in 5 years and the number of speeding vehicles.

Evaluation Score:

The evaluation score is ranked from 0 to 10. E. Crisafulli Road is rated at a 6.1.

An on-sight inspection indicates that an adequate number of speed limit signs exist therefore additional signing is not needed.

Please advise if additional information or clarification is required.