Joe M. England, P.E. County Engineer



3151 SE Inner Loop, Suite B Georgetown, Texas 78626 Telephone (512) 943-3336 Fax (512) 943-3335

Williamson County Unified Road System

To:

Williamson County Commissioners' Court

From:

Joe M. England P.E., County Engineer

Date:

May 26, 2011

Subject:

Proposed Speed Limit on

Sanaloma Drive

JOE M. ENGLAND

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According to the 2006 edition of the Texas Manual on Uniform Traffic Control Devices the following factors should form the basis of an engineering and traffic investigation for determining the proper numerical value for a speed zone. The factors are as follows:

When a speed limit is to be posted, it should be within 5 mph of the 85th-percentile speed of free-flowing traffic. Option:

Other factors that may be considered when establishing speed limits are the following:

- A. Road characteristics, shoulder condition, grade, alignment, and sight distance;
- B. The pace speed;
- C. Roadside development and environment;
- D. Parking practices and pedestrian activity; and
- E. Reported crash experience for at least a 12-month period.

Upon my field investigation, I found that the section of Sanaloma Drive from Airport Road to Sierra Drive consist of a rural street design within a suburban residential environment with a currently posted speed limit of 20 MPH.

May 26, 2011 Page Two

The section of Sanaloma Drive from Airport Road to Sierra Drive consist of approximately 50 feet of right-of-way (ROW), a two lane undivided section. The grade is flat with severe horizontal curves. There is roadside development and culture (limited commercial and suburban residential) which generates roadside friction. There is some parking within the right-of-way. There is pedestrian activity. To this date, I have no accident information for the last 12-month period that would dictate any certain speed limit.

Four speed studies were conducted from October 14 to October 15, 2010 on the section of Sanaloma Drive from Airport Road to Sierra Drive. The result of these studies shows an 85% speed of 30 MPH. The 10 MPH pace speed was a range of 21-30.

The pace speeds would indicate a proposed posting of either 25 or 30 MPH with the 85% suggesting the upper limit of this range. Due to the roadside development, the pedestrian activity, and the severe horizontal curves, we should consider the lower limit of this range. With these factors in mind, it is my professional opinion that a posting of 25 MPH is proper for the section of Sanaloma Drive from Airport Road to Sierra Drive.

Page 1

Williamson County Unified Road System
3151 SE Inner Loop, Suite B
Georgetown, Texas 78626
512-943-3330

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Williamson County Unified Road System
3151 SE Inner Loop, Suite B
Georgetown, Texas 78626
512-943-3330

Site Code: 3205 Sana Loma Station ID:

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Joe England

From:

mmiller@georgetowntx.org

Sent:

Friday, December 10, 2004 8:57 AM

To:

Joe England

Cc:

dmunk@georgetowntx.org; epolasek@georgetowntx.org; tbenz@georgetowntx.org

Subject:

Re: Westinghouse Road improvements

looks like Thursday is not good for Ed. Also include David Munk; Ed tells me David is doing a TIA for Terra Vista that will make some changes.

---- Forwarded by Mark Miller/City of Georgetown on 12/10/2004 08:54 AM

Ed Polasek

To:

Mark Miller/City of Georgetown@City

of Georgetown

12/10/2004 08:06

cc:

Subject: Re: Westinghouse Road

improvements(Document link: Mark Miller)

Anytime Monday thru Wednesday. Ed

Edward G. Polasek, AICP Planning and Development City of Georgetown (512) 930-2544

http://www.georgetown.org/

Mark Miller

To:

Ed Polasek/City of Georgetown@City

of Georgetown, Tom Benz/City of

12/08/2004 11:26

MΑ

Georgetown@City of Georgetown

cc:

Subject: Westinghouse Road improvements

Joe England would like to schedule a meeting next week to talk about a proposal for Westinghouse Road Improvement project. Tuesday mornings are not good. Let me know (asap)a few good times, I will forward them to Joe and he will set something up for County, State and City participation. The meeting will be here.