



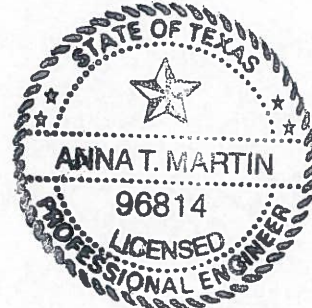
To: Traffic Study Files

From: Anna Martin, P.E., PTOE
South Austin Area Engineer
Traffic Engineering Division
Austin Transportation Department

Date: May 11, 2015

Subject: Speed Zone Investigation

Location: Escarpment Boulevard – South of SH45 to its Terminus



Anna Martin
5-11-15

Year(s) of Previous Investigation: None

A speed zone investigation has been conducted by the Austin Transportation Department in accordance with the Texas Procedures for Establishing Speed Zones, 2006, to determine an appropriate speed limit on Escarpment Boulevard from south of SH45 to its terminus in the Avana Subdivision. Figure 1 at the end of this document presents a map of the study area with existing and proposed speed limits along the study segment.

Location Conditions

Escarpment Boulevard is a two-lane, divided major arterial that runs in a general north-south direction for a length of approximately 1.2 miles along the study segment. The study segment is currently under construction. Escarpment Boulevard is the main roadway running through the newly built Avana Subdivision. Escarpment Boulevard is intersected by four local streets and two roundabouts are present in this segment, which includes the one at its terminus. Adjacent land use is primarily residential. Sidewalks and curbs are constructed along both sides of the street.

Traffic Data

Speed and volume data were collected in July 2014 to determine the appropriate posted speed limit for the study segment. The 85th percentile speeds are higher than Prima Facie speed, which is 30 mph for residential roadways.

Block Number	Location	Posted Speed Limit	85 th Percentile Speed		Daily Traffic Volumes
			NB	SB	
11900	North of Estana Lane	N/A	42.9	42.2	941
12500	North of Termini	N/A	42.9	42.7	581

Crash Data

Austin Police Department's crash database was reviewed to analyze documented crashes along the study segment within the past three years. There were no reported crashes along this segment.

Recommendation

According to the latest documented data collected, traffic on Escarpment Boulevard along the study segment has approximately 1,520 vehicles daily. Currently no speed limit signs are posted, therefore prima facie applies which is 30 mph for a residential street. The 85th percentile speed is between 42 and 43 mph. The two roundabouts within the study segment greatly influence the flow of traffic upon approach. As per the Texas Procedures for Establishing Speed Zones, the posted speed limit may be 5 mph above or below the 85th percentile speed. Due to the residential nature of the roadway and the two existing roundabouts in this segment, it is recommended that a speed limit of 35 mph be established for Escarpment Boulevard from south of SH45 to its terminus. North of Escarpment Boulevard, speed limit signs are posted at 35 mph in the Circle C Ranch Neighborhood. Based on my analysis of the location information and traffic data, the speed limit on Escarpment Boulevard south of SH45 to its terminus should be established at 35 mph.

