



MEMORANDUM

To: Traffic Study Files

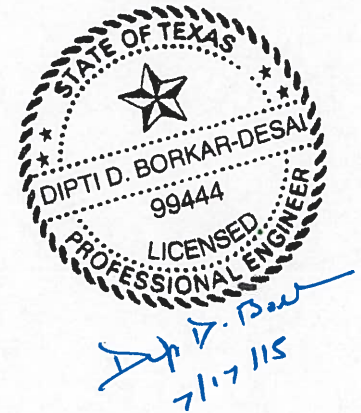
From: Dipti Borkar-Desai, P.E., North Area Engineer
Traffic Engineering Division
Austin Transportation Department

Date: July 17, 2015

Subject: **SPEED ZONE INVESTIGATION**

Location: Staked Plains Drive – Lakeline Boulevard to Avery Ranch Boulevard

Date(s) of Previous Investigation: N/A



A Traffic Engineering Investigation has been conducted by the Traffic Engineering Division to determine the posted speed limit on Staked Plains Drive from Lakeline Boulevard to Avery Ranch Boulevard in accordance with the Texas Procedures for Establishing Speed Zones, 2006 (See Figure 1).

General Conditions:

Staked Plains Drive functions as a four-lane divided collector street from Lakeline Boulevard to Avery Ranch Boulevard. There are sidewalks on both sides of Staked Plains Drive. Development along Staked Plains Drive is majority residential with no homes fronting the roadway. Entry to the residential areas is currently accessible by six residential streets.

Speed / Volume Data Collected:

Speed and volume data were collected in June 2015 to determine the appropriate posted speed limit for the study segment.

Block Number	Street Segment	Existing Speed Limit	85% Percentile Speed		Traffic Volumes
			NB	SB	
10300	North of Carolina Lane	Not Posted	44 mph	43 mph	NB-2,184 SB-2,158
10700	North of Genesee Trail	Not Posted	43.8 mph	45.2 mph	NB-1,815 SB-1,755
11100	North of Laurinburg Drive	Not Posted	42.7 mph	41.2 mph	NB-1,691 SB-1,637

Crash Data

Austin Police Department's crash database was reviewed to analyze documented crashes along the study segment within the past two years. One crash was documented during this period.

Date / Time	Direction		Weather	Light	Road	Injury	Comments
	At Fault	Other					
11/27/13 1:27 PM	EB	SB	Clear	Day	Dry	None	FTYROW (at Montour Drive)

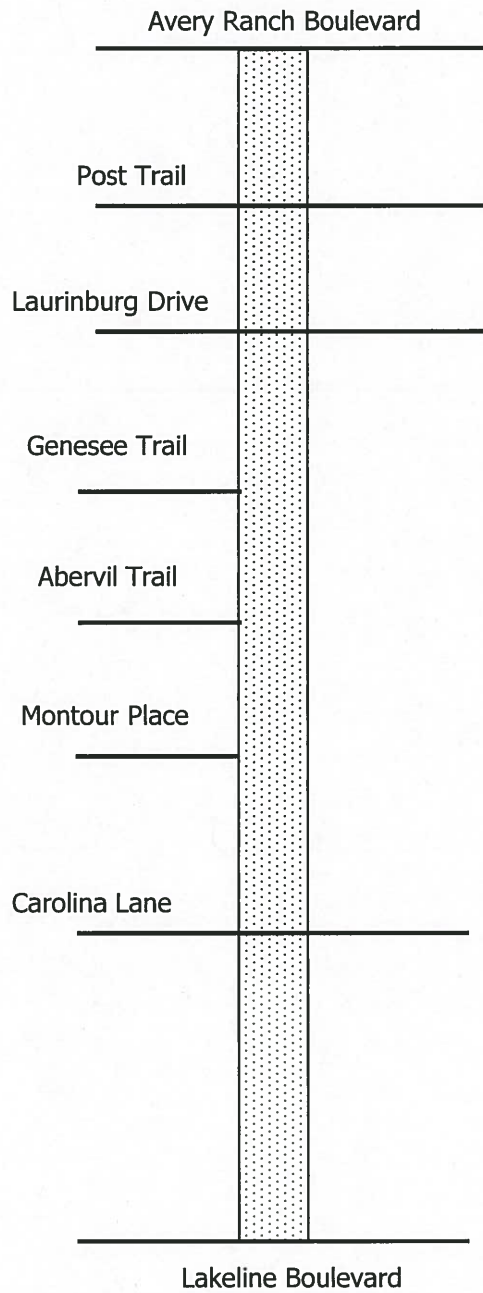
Recommendation

The analysis of the speed data indicates that the 85th percentile speed along Staked Plains Drive is between 41.2 and 45.2 mph in the section from Lakeline Boulevard to Avery Ranch Boulevard.

Due to the functionality of Staked Plains Drive as a collector street with residential development, a speed limit greater than 40 mph is not recommended.

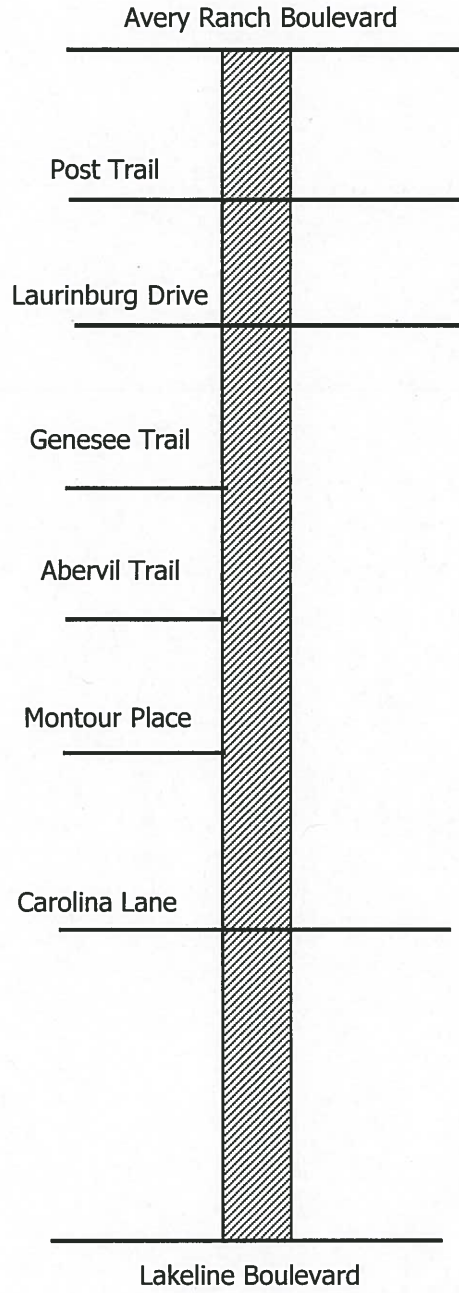
Based on the analysis of this information, it is my engineering judgment that the speed limit on Staked Plains Drive from Lakeline Boulevard to Avery Ranch Boulevard should be **40** miles per hour.

Existing



Not Posted

Proposed



40 mph

