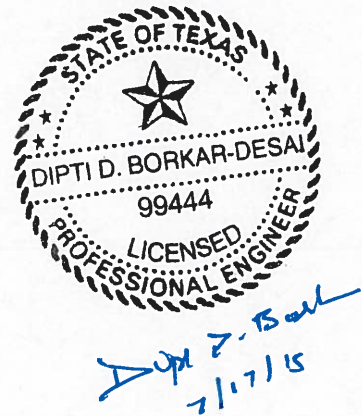




## MEMORANDUM



**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:** The Lakes Boulevard – IH 35 (North) East Frontage Road to Austin City Limit (to the east) and 0.23 miles north of Howard Lane to Austin City Limit (to the north).

Date(s) of Previous Investigation: N/A

A Traffic Engineering Investigation has been conducted by this Division to determine the posted speed limit on The Lakes Boulevard from IH 35 (North) East Frontage Road to Austin City Limit and 0.23 miles north of Howard Lane to Austin City Limit in accordance with the Texas Procedures for Establishing Speed Zones, 2006 (see Figure 1).

### General Conditions:

The Lakes Boulevard functions as a four-lane collector from IH 35 (North) East Frontage Road to Austin City Limit (to the east) and is partially divided with a median at its approach to IH 35 (North) East Frontage Road. It functions as a four-lane undivided collector from 0.23 miles north of Howard Lane to Austin City Limit (to the north). The adjoining property is commercial/industrial and residential with large apartment complexes; and all driveways accessing The Lakes Boulevard. There are sidewalks on both sides of road from Howard Lane to IH 35 (North) East Frontage Road.

Additionally, the section of The Lakes Boulevard from Howard Lane to 0.23 mi. northward to the Austin City Limits which is under the jurisdiction of Travis County has a posted speed limit of 40 Miles per Hour (MPH).

### Speed / Volume Data Collected:

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

Block Number	Street Segment	Existing Speed Limit	85% Percentile Speed		Traffic Volumes
			EB	WB	
14300	East of IH 35 (North) East Frontage Road	None	44.5 mph	46.6 mph	EB-2,416 WB-2,205
			NB	SB	
14100	North of Howard Lane	None	45.9 mph	48.9 mph	NB-2,063 WB-2,316

### Crash Data

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

Date / Time	Direction		Weather	Light	Road	Injury	Comments
	At Fault	Other					
10/31/13 8:25 AM	WB	NB	Cloudy	Day	Wet	None	FTYROW (at IH 35 Frontage Road intersection)
10/21/14 11:22 PM	SB	SB	Clear	Day	Dark, Lighted	None	Failed to drive in single lane
02/13/15 6:15 PM	WB	WB	Clear	Dusk	Dry	None Unknown	Driver inattention at (IH 35 Frontage Road intersection)

### Recommendation

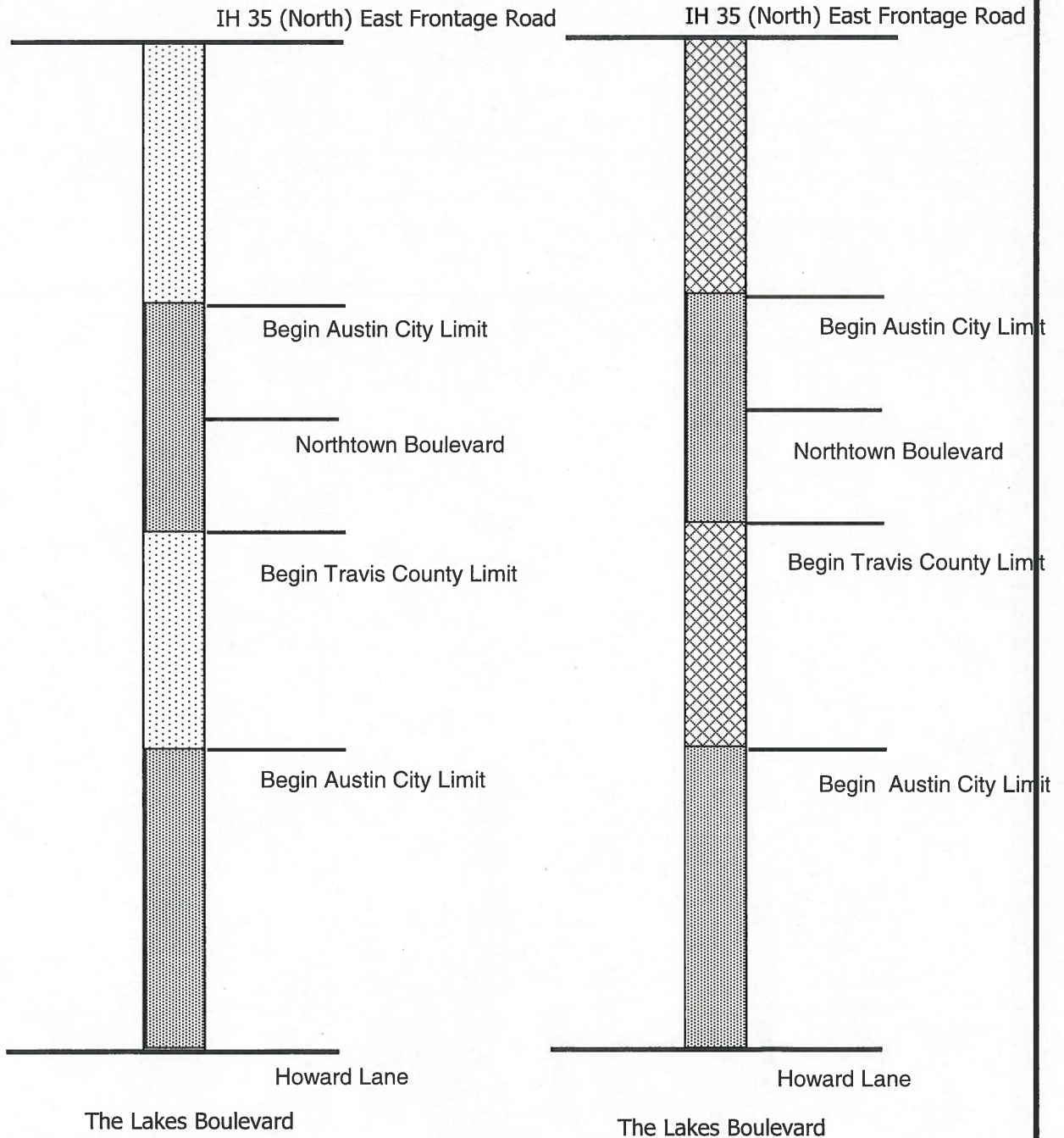
The analysis of the speed data indicates that the 85<sup>th</sup> percentile speed along The Lakes Boulevard is between 44.5 and 46.6 mph in the section from IH 35 (North) East Frontage Road to Austin City Limit (to the east). The 85<sup>th</sup> percentile speed is between 45.9 and 48.9 mph in the section 0.23 miles north of Howard Lane to Austin City Limit (to the north).

Due to the functionality of The Lakes Boulevard as a collector street with residential development (large apartment complexes) and to maintain a consistent speed limit with the segment under Travis County jurisdiction, 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 The Lakes Boulevard from IH 35 (North) East Frontage to Austin City Limit and 0.23 miles north of Howard Lane to Austin City Limit should be **40** miles per hour.

## Existing

## Proposed



Travis County Jurisdiction

40 mph

Travis County Jurisdiction

40 mph

City of Austin Jurisdiction

Not Posted

City of Austin Jurisdiction

40 mph

