



4777 EAST US HIGHWAY 80, MESQUITE, TEXAS 75150-6643 | 214-320-6100 | WWW.TXDOT.GOV

October 12, 2017

Control: 0134-09
Highway: US 380
County: Denton

Mr. John Davis
City Engineer
City of Denton
215 East McKinney
Denton, TX 76201

Subject: Speed Zones

Dear Mr. Davis:

Attached for your information and handling is a computer printout of the speed zone study on US 380 in the City of Denton. The speed zone study was done after the completion of the reconstruction project and shows that the recommended speeds correspond to the speeds at which the normal and prudent driver is driving under the existing conditions.

To proceed with the changing of the speed limits, TxDOT requires a signed city ordinance matching the zones on the speed study. To assist the City in the preparation of the ordinance, a sample speed zone ordinance has been attached to serve as a guide. Please forward the signed ordinance to our office by November 30, 2017 for further processing. Upon receipt of the ordinance from the City of Denton, TxDOT will furnish and install the necessary signs at the proper locations. Should the City already have an ordinance on file that matches the limits shown on the study, please forward a copy of that to our office for our records.

If we may be of further assistance, please feel free to contact Bahman Afsheen, P.E. at the above address or by telephone at 214-320-6229.

Sincerely,

tZLoJU, P.E.

Andrew R. Oberlander, P.E.
District Transportation Operations Engineer

Attachments

OUR VALUES: *People • Accountability • Trust • Honesty*

OUR MISSION: *Through collaboration and leadership, we deliver a safe, reliable, and Integrated transportation system that enables the movement of people and goods.*

An Equal Opportunity Employer

NO. _____ SPEED

ZONE ORDINANCE

AN ORDINANCE ALTERING THE PRIMA FACIE SPEED LIMITS ESTABLISHED FOR VEHICLES UNDER THE PROVISIONS OF TRANSPORTATION CODE, SECTION 545.356 UPON HIGHWAY NO. _____ OR PARTS THEREOF, WITHIN THE INCORPORATE LIMITS OF THE CITY OF _____, AS SET OUT IN THIS ORDINANCE; AND PROVIDING A PENALTY OF A FINE NOT TO EXCEED \$200.00 FOR THE VIOLATION OF THIS ORDINANCE.

WHEREAS, 'Section 545.356 of the Texas Transportation Code, provides that whenever the governing body of the City shall determine upon the basis of an engineering and traffic investigation that any prima facie speed therein set forth is greater or less than is reasonable or safe under the conditions found to exist at any intersection or other place or upon any part of a street or highway within the City, taking into consideration the width and condition of the pavement and other circumstances on such portion of said street or highway, as well as the usual traffic thereon, said governing body may determine and declare a reasonable and safe prima facie speed limit thereat or thereon by the passage of an ordinance, which shall be effective when appropriate signs giving notice thereof are erected at such intersection or other place or part of the street or highway; NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF _____ TEXAS:

SECTION 1.

Upon the basis of an engineering and traffic investigation heretofore made as authorized by the provisions of Transportation Code, Section 545.356, the following prima facie speed limits hereafter indicated for vehicles on the attached Exhibit "A" (strip map) are hereby determined and declared to be reasonable and safe; and such speed limits are hereby fixed at the rate of speed indicated for vehicles traveling upon the named streets and highways, or parts thereof, described as follows:

A. BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF _____ TEXAS:

1. That from and after the date of the passage of this speed zone ordinance, no motor vehicle shall be operated along and upon _____ Highway No. _____ within the corporate limits of the City of _____ in excess of speeds now set forth in Exhibit "A".

SECTION2:

The Mayor of _____ is hereby authorized to cause to be erected, appropriate signs indicating such speed zones.

SECTION 3:

Any person violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction thereof shall be fined in any sum not to exceed Two Hundred Dollars (\$200.00).

PASSED AND APPROVED THIS DAY OF _____, A.D., 20__.

Mayor

City of _____ Texas

Attest:

City Secretary

City of _____ Texas

APPROVED AS TO LEGAL FORM:

City Attorney

City of _____ Texas

APPROVED:

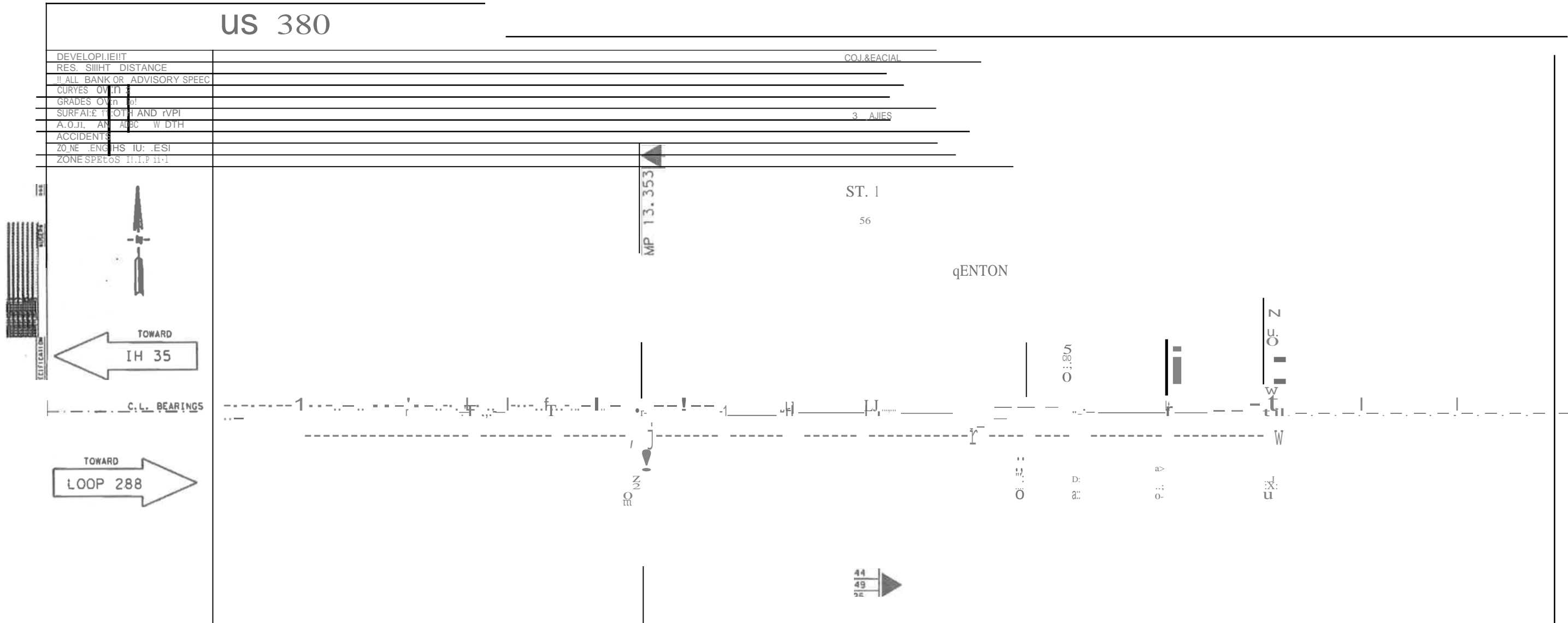
City Manager

City of _____ Texas

I, _____, City Secretary of the City of _____, Texas, hereby certify that the above and foregoing is a true and correct copy of Ordinance No. _____ adopted by the City Council of the City of _____, Texas, _____, A.D., 20____. To certify which, witness my hand and seal of office this _____ day of _____, A.D., 20____.

City Secretary

City of _____ Texas



ZONE LENGTHS IN FEET	1,57
ACCIDENTS	
A.O.I. AND A.D.B. WIDTH	
SURFACE WIDTH AND TYPE	3 LINES
GRADES OVER	
CURVES OVER	
ALL BANK OR ADVISORY SPEED	
RES. SIGN DISTANCE	
DEVELOPMENT	COJ.&FACIAL

DISTRICT: DALLAS	COUNTY: DENTON	COMMISSION NO.	DATE 1/1/17
HIGHWAY: US 380	CITY: DENTON	REPLACES: 1	DATE 1/1/17

LIMITS OF ZONE			
DATE OF STUDY 09-13-17	SCALE 1" = 1/4" MILES	BY: J. J.	DATE 1/1/17
SECTION ONE	LENGTH MILES	SECTION TWO	LENGTH MILES
BEGIN STA. OR I.A.P.	END STA. OR I.A.P.	BEGIN STA. OR I.A.P.	END STA. OR I.A.P.
ENDS		ENDS	

- 85 PERCENTILE SPEED
- NUMBER OF CARS CHECKED
- TOP SPEED MEASURED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

CONT. 0134 SEC. 09
LIMITS: BONNIE BRAE TO ELM ST.

SHEET 1 OF 2

Texas Department of Transportation

SPEED STUDY

DENTON COUNTY

US 380

triTII

12.

1

I.

j

I.

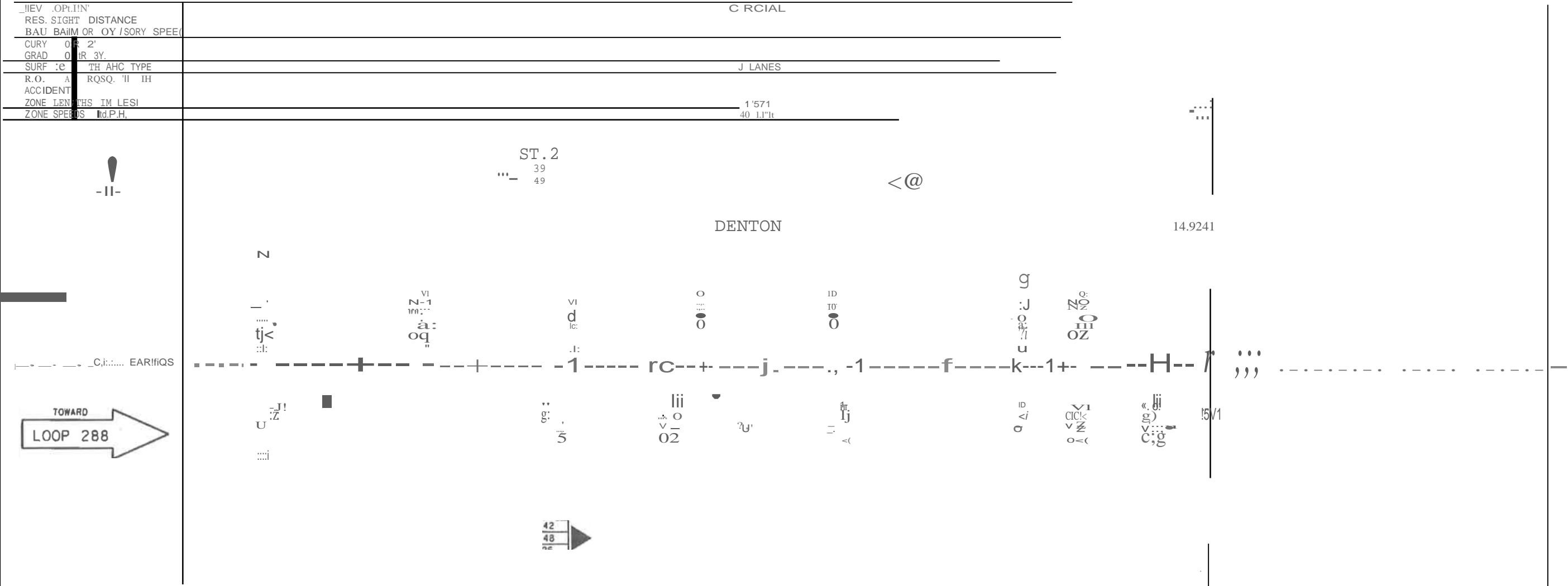
I.



... = "IG"

●●■■■-●
■■■

US 380



EXISTING SPEED LIMIT 40 MPH

ZONE LENGTHS	MILES
ACCIDENTS	
R.O.W AND RDBC WITH	
CRACE WIDTH AND TYPE	J LINES
CRACE WIDTH	3Y.
CURVE WIDTH	2'
BAL. 84N. IR. ADVISORY SPEED	
RES. IGI DISTANCE	
DEVELOPMENT	

DISTRICT: DALLAS	COUNTY: DENTON	LITNUIE NO.1
HIGHWAY: US 380	CITY: DENTON	REPLACE!

LIMITS OF ZONE			
DATE OF	STUOV 09-13-17	SCALE 1-	Q. I t.ILES
SECTION ONE	LENGTH	MILES	SECTION TWO
STA OR IAP.	CON	AND SEC. I	PROJE
BEGINS	J1 • 00.		BEGINS
STA OR IAP.	COH	AND SE	PROJE
ENOS	_0 • 011.		ENOS

COMMERCIAL

85 PERCENTILE SPEED

NUUBER OF CARS CHECKED

TOP SPEED MEASURED

FATAIACCIDENT
PERSONAL INJURY ACCIDENT
PROPERTY DAMAGE ACCIDENT

INDICATES SECTION ZONED
8'1' C ISSION t.IINUTE

SIGNALIZED INTERSECTION
TRIAL RUN

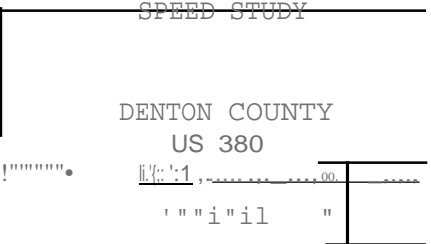
SPEED ZONE

CONT. 0134 SEC. 09

LIMITS: BONNIE BRAE TO ELM ST.

SHEET 2 OF 2

Department of Transportation



$$\frac{1}{n} \sum_{j=1}^n \left(\frac{\partial L(\theta)}{\partial \theta_j} \right) = 0$$