



Texas Department of Transportation

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

January 9, 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 February 15, 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,

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 TOWN 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 Town 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 Town, 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 TOWN COUNCIL OF THE TOWN 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 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 TOWN COUNCIL OF THE TOWN 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 Town of _____ in excess of speeds now set forth in Exhibit "A":

SECTION 2:

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

Town of _____ Texas

Attest:

Town Secretary

Town of _____ Texas

APPROVED AS TO LEGAL FORM:

Town Attorney

Town of _____ Texas

APPROVED:

Town Manager

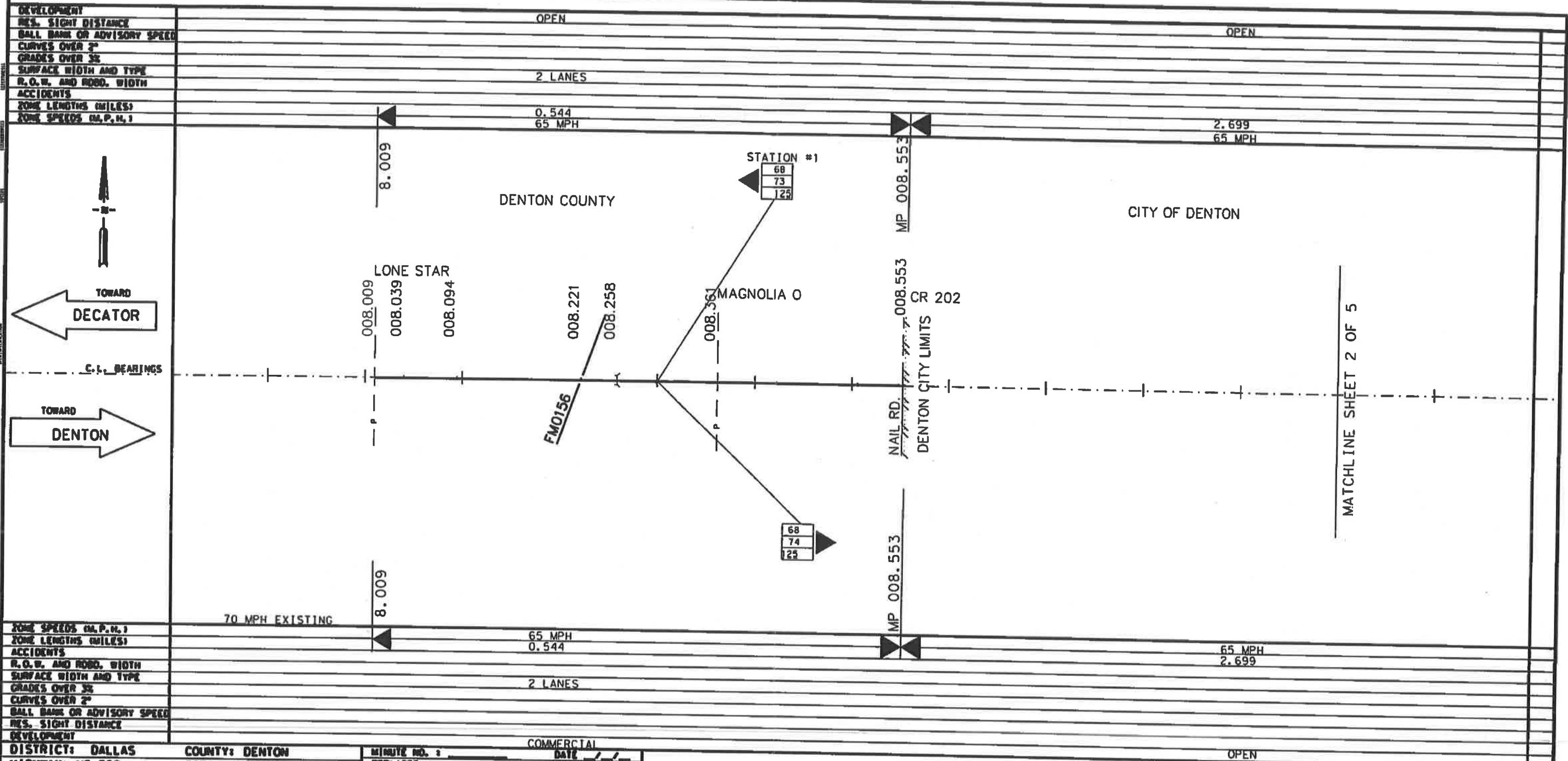
Town of _____ Texas

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

Town Secretary

Town of _____ Texas

US 380



DISTRICT: DALLAS

COUNTY: DENTON

MINUTE NO. : _____

COMMERCIAL

DATE / /

HIGHWAY: US 380

CITY: DENTON

REPLACES : _____

DATE / /

DATE OF STUDY 12-01-16

SCALE 1" = 0.1 MILES

REPLACED BY : _____

DATE / /

CANCELLED BY : _____

DATE / /

LIMITS OF ZONE

SECTION ONE

LENGTH 0.544 MILES

SECTION TWO

LENGTH MILES

BEGINS

STA. OR M.P.

CONT. AND SECT.

PROJECT

BEGINS

STA. OR M.P.

CONT. AND SECT.

PROJECT

ENDS

STA. OR M.P.

CONT. AND SECT.

PROJECT

ENDS

STA. OR M.P.

CONT. AND SECT.

PROJECT

- 68 85 PERCENTILE SPEED
- 73 TOP SPEED MEASURED
- 125 NUMBER OF CARS CHECKED
- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT
- INDICATES SECTION ZONED BY COMMISSION MINUTE
- SIGNALIZED INTERSECTION
- TRIAL RUN

SPEED ZONE

CONT. 0134 SEC. 09

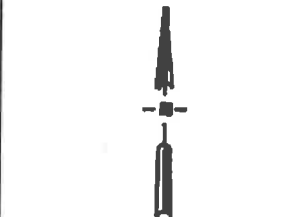
LIMITS: MP 8.009 TO IH-35E

SHEET 1 OF 5

Texas Department of Transportation			
SPEED STUDY DENTON COUNTY US 380			
DESIGN TEAM	FILE NO.	FEDERAL AID PROJECT NO.	SHEET NO.
STATE	STATE DIST. NO.	COUNTY	
CHECKED	CONTROL NO.	SECTION NO.	HIGHWAY NO.

US 380

DEVELOPMENT
RES. SIGHT DISTANCE
BALL BANK OR ADVISORY SPEED
CURVES OVER 2"
GRADES OVER 3%
SURFACE WIDTH AND TYPE
R.O.W. AND ROAD WIDTH
ACCIDENTS
ZONE LENGTHS (MILES)
ZONE SPEEDS (M.P.H.)



TOWARD
DECATOR

TOWARD
DENTON

C.L. BEARINGS

ZONE SPEEDS (M.P.H.)
ZONE LENGTHS (MILES)
ACCIDENTS
R.O.W. AND ROAD WIDTH
SURFACE WIDTH AND TYPE
GRADES OVER 3%
CURVES OVER 2"
BALL BANK OR ADVISORY SPEED
RES. SIGHT DISTANCE
DEVELOPMENT

DISTRICT: DALLAS COUNTY: DENTON
HIGHWAY: US 380 CITY: DENTON
DATE OF STUDY 12-01-16 SCALE 1" = 0.1 MILES

LIMITS OF ZONE							
SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	LENGTH	PROJECT	BEGINS	STA. OR M.P.	LENGTH	PROJECT
	0+00						
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0+00						

SECTION	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
SECTION	STATE	SECTION	SECTION
CHECKED	SECTION	JOB	HYDRA

OPEN

2 LANES

2.699
65 MPH

CITY OF DENTON

STATION #2
64
78
125

009.291
009.324
N HICKORY

009.669
GOLDEN HOO

009.772
0364.318

866.009.898
THOMAS

MATCHLINE SHEET 3 OF 5

65
73
125

65 MPH
2.699

2 LANES

OPEN

65 85 PERCENTILE SPEED
73 TOP SPEED MEASURED
125 NUMBER OF CARS CHECKED

- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT

INDICATES SECTION ZONED BY COMMISSION MINUTE

SIGNALIZED INTERSECTION
TRIAL RUN

SPEED ZONE

CONT. 0642 SEC. 05

LIMITS: MP 8.009 TO IH-35E

SHEET 2 OF 5

Texas Department of Transportation

SPEED STUDY
DENTON COUNTY
US 380

SECTION	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
SECTION	STATE	SECTION	SECTION
CHECKED	SECTION	JOB	HYDRA

US 380

DEVELOPMENT
RES. SIGHT DISTANCE
BALL BANK OR ADVISORY SPEED
CURVES OVER 2°
GRADES OVER 3%
SURFACE WIDTH AND TYPE
R.O.W. AND ROAD WIDTH
ACCIDENTS
ZONE LENGTHS (MILES)
ZONE SPEEDS (M.P.H.)

RESIDENTIAL

2 LANES

2.699
65 MPH

CITY OF DENTON

H FRAME

STATION #3

63
71
125

MATCHLINE SHEET 4 OF 5

MATCHLINE SHEET 2 OF 5

010.075
010.077
STREAM

TOWARD

DECATOR

C.L. BEARINGS

TOWARD

DENTON

ZONE SPEEDS (M.P.H.)
ZONE LENGTHS (MILES)
ACCIDENTS
R.O.W. AND ROAD WIDTH
SURFACE WIDTH AND TYPE
GRADES OVER 3%
CURVES OVER 2°
BALL BANK OR ADVISORY SPEED
RES. SIGHT DISTANCE
DEVELOPMENT

65 MPH
2.699

2 LANES

COMMERCIAL

DISTRICT: DALLAS

COUNTY: DENTON

MINUTE NO. 1

DATE

HIGHWAY: US 380

CITY: DENTON

REPLACES:

DATE

DATE OF STUDY 12-01-16

SCALE 1" = 0.1 MILES

REPLACED BY:

DATE

CANCELLED BY:

DATE

LIMITS OF ZONE

SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00				MP		
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00				MP		

65 85 PERCENTILE SPEED
71 TOP SPEED MEASURED
125 NUMBER OF CARS CHECKED

- FATAL ACCIDENT
- PERSONAL INJURY ACCIDENT
- PROPERTY DAMAGE ACCIDENT

INDICATES SECTION ZONED BY COMMISSION MINUTE

SIGNALIZED INTERSECTION

TRIAL RUN

SPEED ZONE

CONT. 0642 SEC. 05

LIMITS: MP 8.009 TO IH-35E

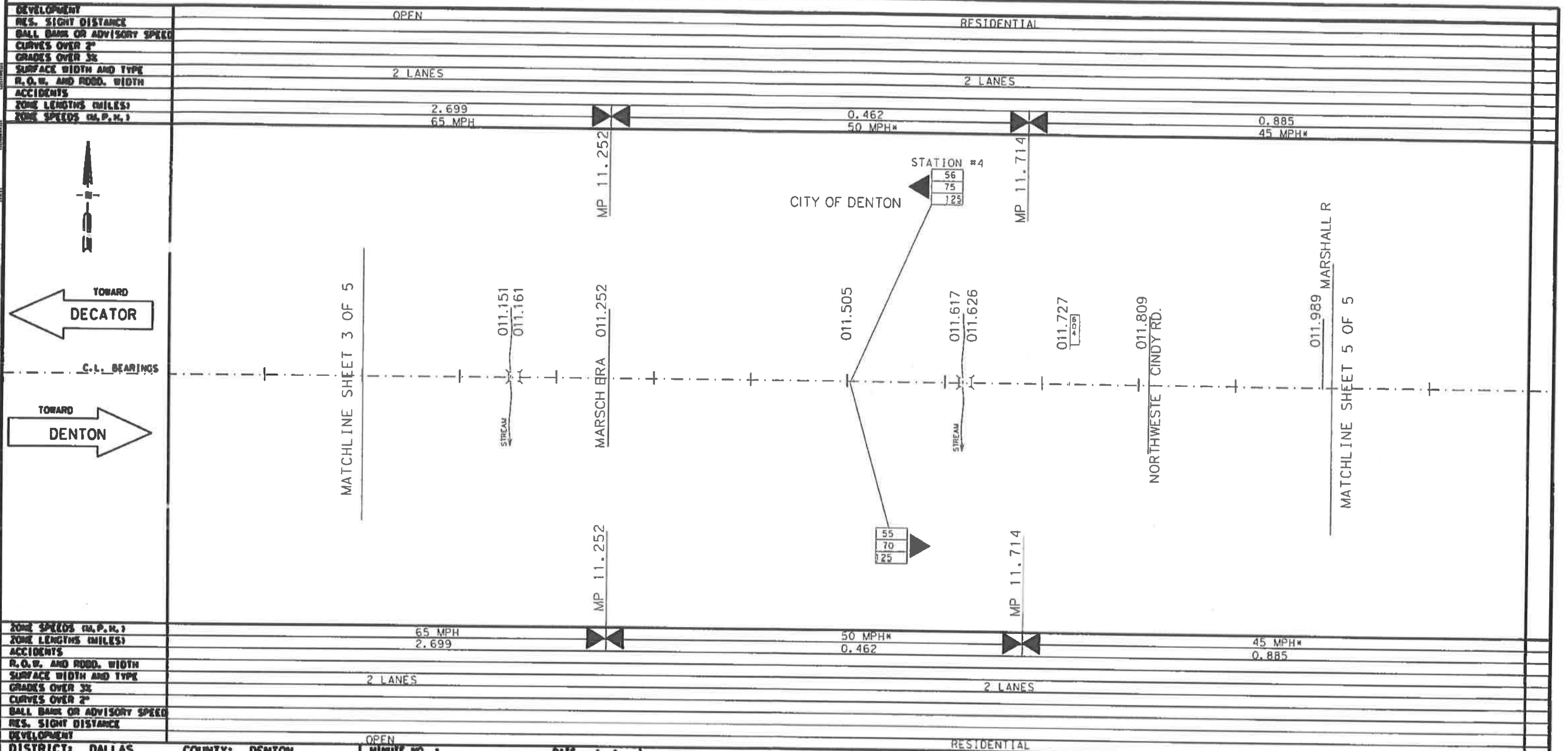
SHEET 3 OF 5

Texas Department of Transportation

SPEED STUDY
DENTON COUNTY
US 380

DISTRICT	STATE	FEDERAL AID PROJECT NO.	SHEET NO.

US 380



LIMITS OF ZONE				LIMITS OF ZONE			
SECTION ONE		LENGTH	MILES	SECTION TWO		LENGTH	MILES
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00						
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00						

- 85 PERCENTILE SPEED
- TOP SPEED MEASURED
- NUMBER OF CARS CHECKED
- 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: MP 8.009 TO IH-35E

*REDUCTION IN 85TH PERCENTILE SPEED BASED ON THE FOLLOWING FACTORS: HIGH DRIVEWAY DENSITY
LACK OF IMPROVED SHOULDERS
CRASH HISTORY.

SHEET 4 OF 5

Texas Department of Transportation

SPEED STUDY
DENTON COUNTY
US 380

SECTION	DATE	FEDERAL AID PROJECT NO.	SHEET NO.
STATE	STATE	COUNTY	
COUNTY	SECTION	DATE	REVISION

US 380

DEVELOPMENT
RES. SIGHT DISTANCE
BALL BANK OR ADVISORY SPEED
CURVES OVER 2"
GRADES OVER 3%
SURFACE WIDTH AND TYPE
R.O.W. AND ROAD WIDTH
ACCIDENTS
ZONE LENGTHS (MILES)
ZONE SPEEDS (M.P.H.)

OPEN

2 LANES

0.885
45 MPH

CITY OF DENTON

STATION #5
52
66
125

MP 12.599

012.399
UNION PAC

012.599
IH0035

MATCHLINE SHEET 5 OF 5

MATCHLINE SHEET 4 OF 5

TOWARD
DECATOR

C.L. BEARINGS

TOWARD
DENTON

ZONE SPEEDS (M.P.H.)
ZONE LENGTHS (MILES)
ACCIDENTS
R.O.W. AND ROAD WIDTH
SURFACE WIDTH AND TYPE
GRADES OVER 3%
CURVES OVER 2"
BALL BANK OR ADVISORY SPEED
RES. SIGHT DISTANCE
DEVELOPMENT

45 MPH
0.885

EXISTING 45 MPH

2 LANES

DISTRICT: DALLAS COUNTY: DENTON
HIGHWAY: US 380 CITY: DENTON
DATE OF STUDY 12-01-16 SCALE 1" = 0.7 MILES

OPEN

SCHOOL

OPEN

LIMITS OF ZONE

SECTION ONE				SECTION TWO			
BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT	BEGINS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00						
ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT	ENDS	STA. OR M.P.	CONT. AND SECT.	PROJECT
	0 + 00						

42 85 PERCENTILE SPEED
69 TOP SPEED MEASURED
125 NUMBER OF CARS CHECKED

- 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: MP 8.009 TO IH-35E

*REDUCTION IN 85TH PERCENTILE SPEED BASED ON THE FOLLOWING FACTORS: HIGH DRIVEWAY DENSITY
LACK OF IMPROVED SHOULDERS
CRASH HISTORY.

SHEET 5 OF 5

Texas Department of Transportation

SPEED STUDY
DENTON COUNTY
US 380

DISTRICT	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
CHECKED	DATE	SECTION	DATE