



**RCA
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 20
AGENDA DATE: Thu 07/28/2005
PAGE: 1 of 2**

SUBJECT: Approve an ordinance to amend section 12-4-21 of the City Code to establish a 10 miles per hour speed limit on State Highway 165 in the Texas State Cemetery; amend section 12-4-42 of the City Code to establish a 40 miles per hour speed limit on a portion of Samsung Boulevard; amend section 12-4-43 of the City Code to expand the 45 miles per hour speed limit on a portion of Airport Boulevard; and amend section 12-4-94 of the City Code to establish a 45 miles per hour construction speed zone on a portion of U.S. Highway 183.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of \$300 is available in Fiscal Year 2004-2005 Approved Operating Budget of the Public Works Department for the installation of necessary signs and all other necessary speed limit signing will be posted by the Texas Department of Transportation.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

**REQUESTING Public Works
DEPARTMENT:**

**DIRECTOR'S
AUTHORIZATION: Sondra Creighton**

FOR MORE INFORMATION CONTACT: Alan Hughes, 974-7202; Samileh Mozafari, 974-7010; Laura Bohl, 974-7064

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: N/A

PURCHASING: N/A

MBE / WBE: N/A

The Texas Department of Transportation (TxDOT) has completed engineering investigations on Airport Boulevard (also known as Loop 111) and on SH 165. As a result of this investigation, TxDOT is recommending that the existing speed limits be modified.

Amendment to Code Section 12-4-43 (45 MPH Speed Limit):

Delete: Existing sections referring to Airport Boulevard from 464 feet south of IH-35 (North) East Frontage Road to the south end of Montopolis Bridge from the list of streets having a maximum speed limit of 45 miles per hour.

Add: Airport Boulevard (also known as Loop 111) from 47 feet south of East 45th Street (mile point 10.000) to 2700 feet south of Glissman Road (Mile point 12.846).

The Texas Department of Transportation (TxDOT) has completed engineering investigations on SH 165. As a result of this investigation, TxDOT is recommending that the existing speed limits be modified.

Amendment to Code Section 12-4-21 (10 MPH Speed Limit):

Add: SH 165 within the Texas State Cemetery from Comal Street (Mile point 0.000) to East 11th Street



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(Mile point 0.340).

In order to modify or alter the existing prima facie speed limit of a street, the Texas Traffic Laws require that a traffic engineering investigation be performed. The investigation was conducted by the Public Works Department in accordance with the procedures specified in the Texas Procedures for Establishing Speed Zones, 1997. As a result of this investigation, the Transportation Division recommends the following:

Amendment to Code Section 12-4-42 (40 MPH Speed Limit):

Add: Samsung Boulevard from Parmer Lane (F.M. 734) to Proposed Braker Lane.

In order to modify the existing speed limit of a street, the Texas Traffic Laws require that a traffic engineering investigation be performed. The investigation was performed by the Texas Department of Transportation in accordance with the procedures specified in the Texas Procedures for Establishing Speed Zones, 1997.

During construction of US 183 (Ed Bluestein Boulevard) from US 290 (Mile point 10.215) to 1,600 feet south of Harold Court (Mile point 14.884), the Texas Department of Transportation has requested that the City of Austin reduce the speed limit from 55 MPH to 45 MPH. This speed reduction is necessary to permit safe travel through the project limits due to constrained traffic control geometry.

Amendment to Code Section 12-4-94 (45 Mile Per Hour Construction Zones)

Add: US 183 (Ed Bluestein Boulevard) from US 290 (Mile point 10.215) to 1600' south of Harold Court (Mile point 14.884).

ORDINANCE NO.

AN ORDINANCE TO AMEND SECTION 12-4-21 OF THE CITY CODE TO ESTABLISH A 10 MILES PER HOUR SPEED LIMIT ON STATE HIGHWAY 165 IN THE TEXAS STATE CEMETERY; AMEND SECTION 12-4-42 OF THE CITY CODE TO ESTABLISH A 40 MILES PER HOUR SPEED LIMIT ON A PORTION OF SAMSUNG BOULEVARD; AMEND SECTION 12-4-43 OF THE CITY CODE TO EXPAND THE 45 MILES PER HOUR SPEED LIMIT ON A PORTION OF AIRPORT BOULEVARD; AND AMEND SECTION 12-4-94 OF THE CITY CODE TO ESTABLISH A 45 MILES PER HOUR CONSTRUCTION SPEED ZONE ON A PORTION OF U.S. HIGHWAY 183.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF AUSTIN:

PART 1. Section 12-4-21 (*Maximum Speed Limit of 10 Miles Per Hour*) of the City Code is amended to add:

State Highway 165 within the Texas State Cemetery from Comal Street (mile point 0.000) to East 11th Street (mile point 0.340).

PART 2. Section 12-4-42 (*Maximum Speed Limit of 40 Miles Per Hour*) is amended to add:

Samsung Boulevard from Parmer Lane (F.M. 734) to Proposed Braker Lane.

PART 3. Section 12-4-43 (*Maximum Speed Limit of 45 Miles Per Hour*) is amended to delete:

Airport Boulevard (Loop 111) from 550 feet north of Manor Road (Station 649 + 00) to Springdale Road.

Airport Boulevard (Loop 111) from 464 feet south of IH-35 (North) East Frontage Road to 232 feet south of Rowood Road.

Airport Boulevard (Loop 111) from 195 feet south of Schieffer Avenue to the south end of Montopolis Bridge.

PART 4. Section 12-4-43 (*Maximum Speed Limit of 45 Miles Per Hour*) is amended as to add:

Airport Boulevard (Loop 111) from 47 feet south of East 45th Street to 2,700 feet south of Glissman Road.

PART 5. Section 12-4-94 (*45 Mile Per Hour Construction Zones*) is amended to add:

U.S. Highway 183 (Ed Bluestein Boulevard) from U.S. Highway 290 (mile point 10.215) to 1,600 feet south of Harold Court (mile point 14.884).

PART 6. The amendments made in this ordinance shall be incorporated in alphabetical order and the existing subsections renumbered accordingly.

PART 7. This ordinance takes effect on _____, 2005.

PASSED AND APPROVED

_____, 2005

§
§
§

Will Wynn
Mayor

APPROVED: _____
David Allan Smith
City Attorney

ATTEST: _____
Shirley A. Brown
City Clerk



MEMORANDUM

To: Traffic Study Files

From: Samileh Mozafari, P.E., North Area Supervisor
Transportation Division
Public Works Department

Date: 6/21/05

Subject: SPEED ZONE INVESTIGATION

Location: Samsung Boulevard – Parmer Lane (F.M. 734) to Proposed Braker Lane

Date(s) of Previous Investigation: NONE

A Traffic Engineering Investigation has been conducted by this Division to determine the posted speed limit on Samsung Boulevard from Parmer Lane (F.M. 734) to proposed Braker Lane (Figure 1). The following information was collected and analyzed.

Speed / Volume Data Collected:

Block Number	Street Segment	Existing Speed Limit	85% Speed		Traffic Volumes
			NB	SB	
11400	1040 feet north of Long Voyage Drive	Not Posted	50 mph	53 mph	NB-259 SB-307
11900	760 feet south of Parmer Lane.	Not Posted	48mph	44mph	NB-406 SB-477

NOTE: Samsung Boulevard forms a T-intersection with both Parmer Lane at its north end and Sprinkle Cutoff Road at its south end. 30 mph is the posted speed limit from Sprinkle Cutoff Road to proposed Braker Lane.



MEMORANDUM

To: Traffic Study Files

From: Samileh Mozafari, P.E., North Area Supervisor
Transportation Division
Public Works Department

Date: 6/21/05

Subject: SPEED ZONE INVESTIGATION

Location: Samsung Boulevard – Parmer Lane (F.M. 734) to Proposed Braker Lane

Date(s) of Previous Investigation: NONE

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NOTE: Samsung Boulevard forms a T-intersection with both Parmer Lane at its north end and Sprinkle Cutoff Road at its south end. 30 mph is the posted speed limit from Sprinkle Cutoff Road to proposed Braker Lane.


General Comments:

The original portion of Samsung Boulevard was only 2050 feet long and 64 feet wide, curb face to curb face, with a raised median and without sidewalks on either side of the street. This portion is striped for two lanes of traffic in each direction.

Samsung Boulevard has been recently extended from 2050 feet south of Parmer Lane to join Sprinkle Cutoff Road. The extension was necessary due to the recent and on-going housing development (Pioneer Crossing) in the area. Currently housing development is only occurring on the east side of Samsung Boulevard, south of the proposed Braker Lane extension with none of the houses facing Samsung Boulevard. The extension from 2050 feet south of Parmer Lane to the proposed Braker Lane extension also has a raised median without sidewalks on either side of the street. Both horizontal and vertical curves are located in this section of Samsung Boulevard. Development is not occurring in this area presently but commercial/industrial development is expected in the future. Although wide enough for two lanes of traffic in both directions, this part of Samsung Boulevard is not striped with lane markings. This section of Samsung Boulevard was designed as an industrial/commercial collector with a 90-foot right of way. It also ties into the next section of Samsung Boulevard that was designed as a residential collector 40 feet wide on 60 feet of right of way, which has a posted speed limit of 30 mph.

Traffic volumes presently are very low and mostly consist of construction traffic. However, houses are being finished rapidly and eventually traffic will increase considerably. In addition, the proposed Braker Lane extension will funnel even more traffic through this area. Housing development on the west side, from the proposed Braker Lane extension to Sprinkle Cutoff Road is anticipated in the future. The majority of the area west of Samsung Boulevard is farmland with sections being wooded.

Investigation prepared by:


Engineering Technician B

4/20/05
Date

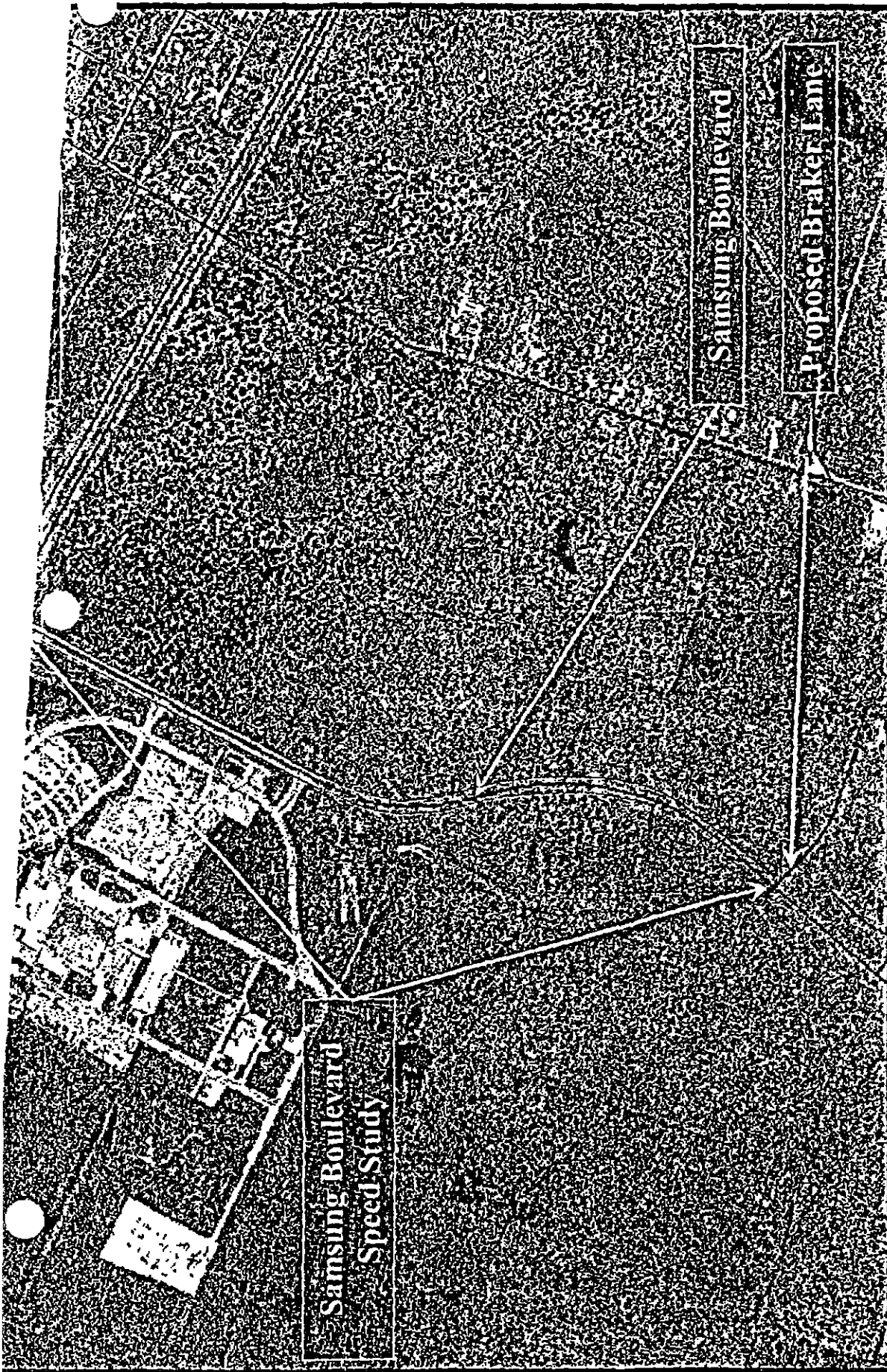
Based on the analysis of this information, it is my engineering judgment that the speed limit on Samsung Boulevard from Parmer Lane (F.M. 734) to Proposed Braker Lane should be 40 miles per hour.

Respectfully submitted,



Samileh Mozafari, P.E.
North Area Supervisor
Transportation Division
Public Works Department

Council Action: _____
Date Approved: _____
Ordinance #: _____
Date memo sent to APD: _____

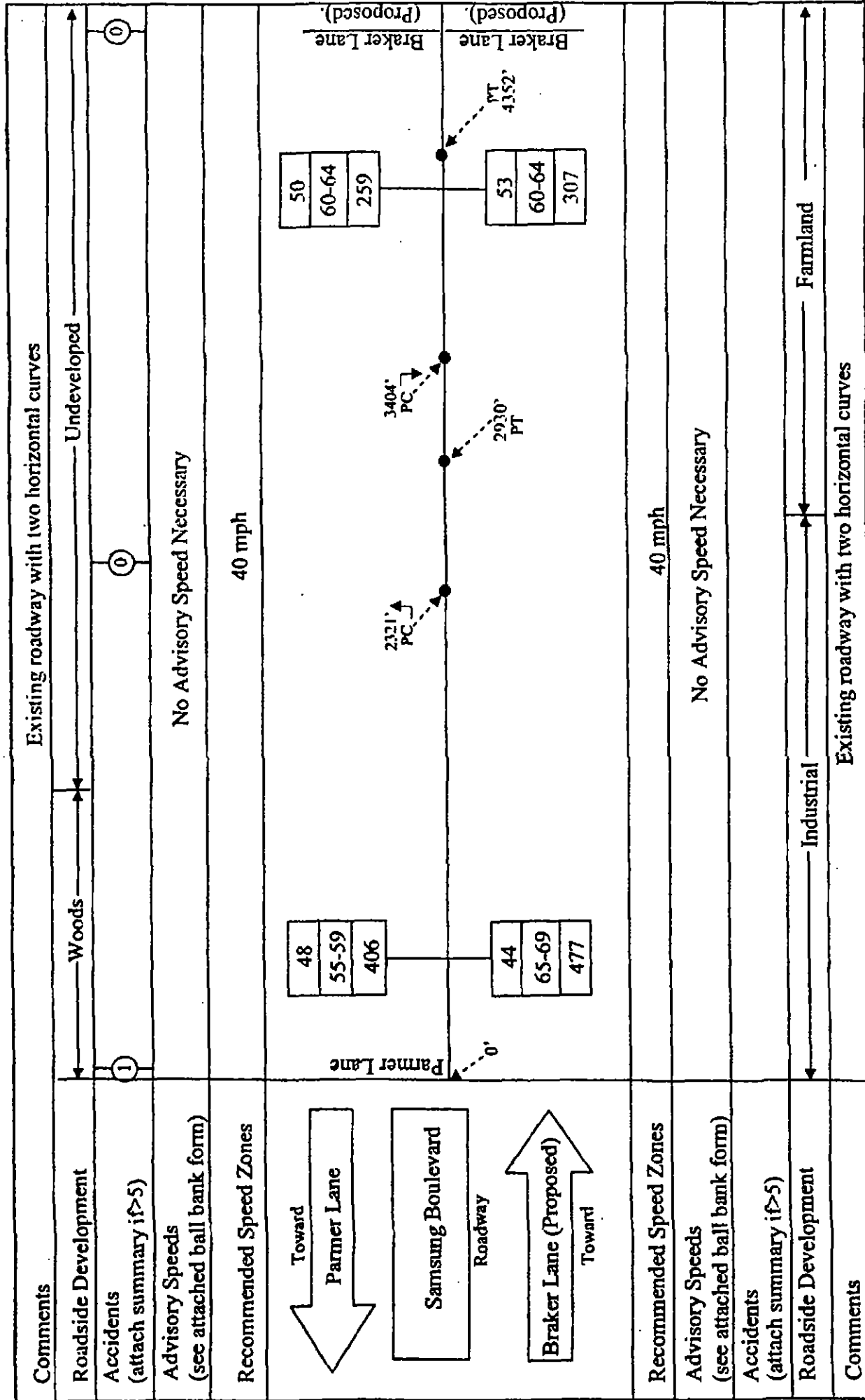


DPW

**Samsung Boulevard Speed Study
Figure 1**



FILE COPY



SPEED ZONE MAP

Scale 1" = 632'

XX

XX

XX

85th Percentile Speed

Top Speed Measured

Mid Block
Accident

Intersection Accident

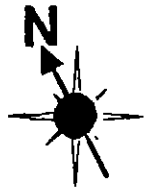
Number of Vehicles Checked

Match Line

Speed Zone Investigation Hank Usher

Existing

Proposed



Parmer Lane (F.M. 734)

Parmer Lane (F.M. 734)

Braker Lane
(Proposed)

Braker Lane
(Proposed)

Braker Lane
(Proposed)

Braker Lane
(Proposed)



**No Posted
Speed Limit**



40 MPH

EXISTING

EAST 11th STREET

STATE HIGHWAY 165

ST HWY 165

COMAL STREET

15 M.P.H.

10 M.P.H.

PROPOSED

EAST 11th STREET

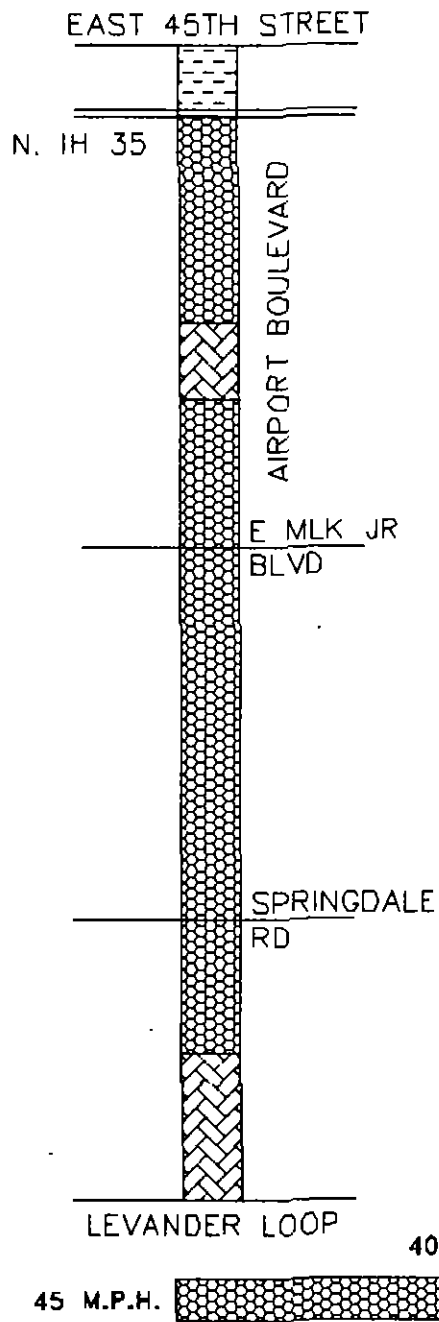
STATE HIGHWAY 165

ST HWY 165

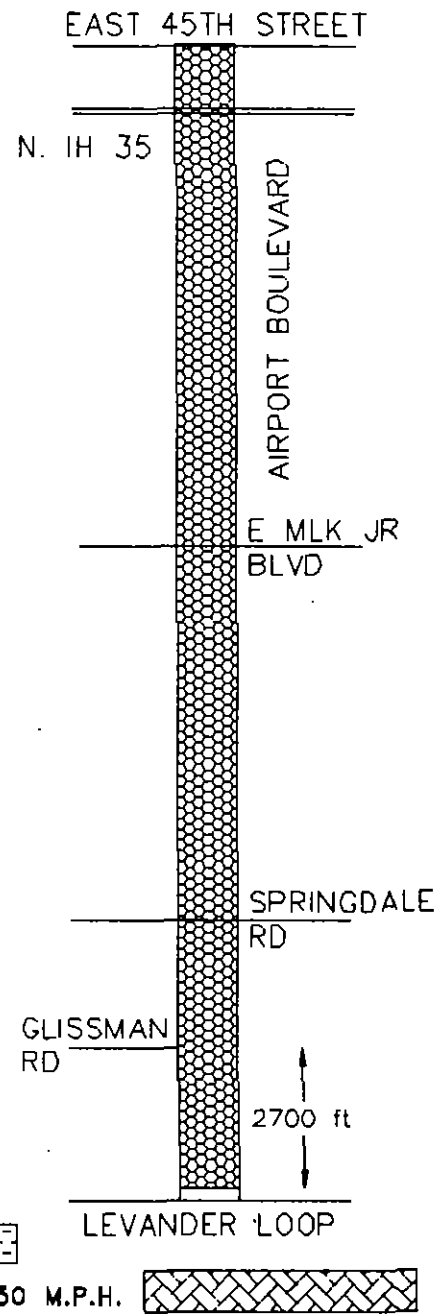
COMAL STREET

PUBLIC WORKS DEPARTMENT
SPEED ZONE CHANGE MAP
STATE HIGHWAY 165

EXISTING

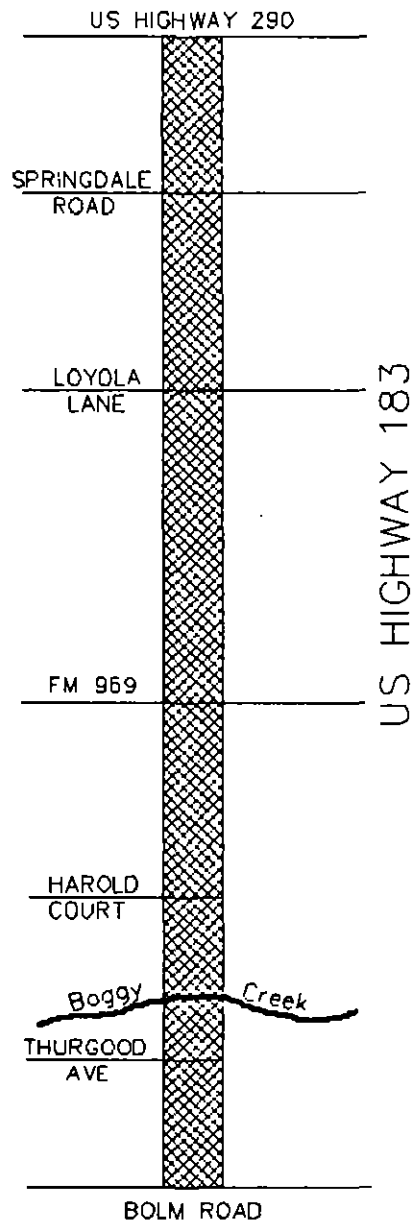


PROPOSED



PUBLIC WORKS DEPARTMENT
SPEED ZONE CHANGE MAP
AIRPORT BOULEVARD
(LOOP 111)

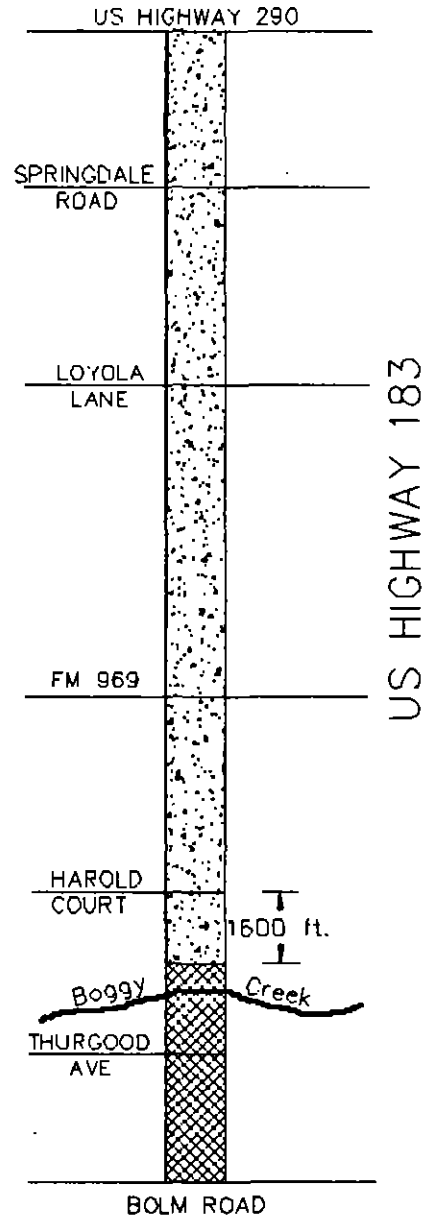
EXISTING



55 M.P.H.



PROPOSED



45 M.P.H.
CONSTRUCTION
SPEED



PUBLIC WORKS DEPARTMENT
SPEED ZONE CHANGE MAP
US HIGHWAY 183