

AGENDA

TOWN OF FLOWER MOUND TRANSPORTATION COMMISSION MEETING

SEPTEMBER 12, 2017

**FLOWER MOUND TOWN HALL
2121 CROSS TIMBERS ROAD
FLOWER MOUND, TEXAS**

6:30 P.M.

AN AGENDA INFORMATION PACKET IS AVAILABLE ONLINE
WWW.FLOWER-MOUND.COM/AGENDACENTER

A. CALL REGULAR MEETING TO ORDER – 6:30 PM

B. PLEDGE OF ALLEGIANCE

C. PUBLIC PARTICIPATION

Please fill out an “Appearance Before Transportation Commission” form in order to address the Transportation Commission, and turn the form in prior to Public Participation, or by 6:40 p.m. to the Town staff. Speakers are normally limited to three minutes. Time limits can be adjusted by the Chair as to accommodate more or fewer speakers.

The purpose of this item is to allow the public an opportunity to address the Transportation Commission on issues that are not the subject of a public hearing. Any item requiring Public Hearing will allow the public to speak at the time that the item appears on this agenda as indicated as a “Public Hearing”.

D. TRAFFIC ENGINEER REPORT

- Update status report related to operational issues, capital improvement projects, and TxDOT projects
- Future Transportation Commission meeting dates

E. CONSENT AGENDA – Consent Items

This agenda consists of non-controversial or "housekeeping" items and may be approved with a single motion. A member of the Transportation Commission may request an item(s) be withdrawn from the consent agenda and moved to regular agenda for discussion by making such request prior to a motion and vote on the Consent Agenda.

1. Consider approval of minutes from the regular meeting of the Transportation Commission held on July 11, 2017.

F. REGULAR ITEMS

2. Consider a recommendation regarding a Thoroughfare Plan Amendment for the section of Lake Forest Boulevard south of Lakeside Parkway to Silveron Boulevard to the Town Council.

G. ADJOURNMENT


Matthew Hotelling, Traffic Engineer

I do hereby certify that the Notice of Meeting was posted on the bulletin board in Town Hall of the Town of Flower Mound, Texas, a place convenient and readily accessible to the general public at all times and said Notice was posted on the following date and time: September 8, 2017 at 2:30 PM, at least 72 hours prior to the scheduled time of said meeting.


Delona Verplank, Administrative Assistant

The Flower Mound Town Hall and Council Chambers are wheelchair accessible. Requests for accommodations or interpretive services must be made at least 48 hours prior to this meeting by contacting Delona Verplank, Administrative Assistant at 972-874-6317. Reasonable accommodations will be made to assist your needs.



TRANSPORTATION COMMISSION AGENDA ITEM NO. 1

CONSENT ITEM

DATE: September 12, 2017

FROM: Matthew J. Hotelling, P.E., PTOE, Traffic Engineer

ITEM: Consider approval of the minutes from the regular meeting of the Transportation Commission held on July 11, 2017.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the July 11, 2017 regular meeting of the Transportation Commission.

CITIZEN FEEDBACK: N/A

ALTERNATIVES/OPTIONS: N/A

FISCAL IMPACT: N/A

LEGAL REVIEW: N/A

ATTACHMENTS:

1. Draft minutes from the July 11, 2017 regular meeting of the Transportation Commission.

RECOMMENDATION: Move to approve the minutes from the July 11, 2017 regular meeting of the Transportation Commission.

THE FLOWER MOUND TRANSPORTATION COMMISSION REGULAR MEETING HELD ON THE 11TH DAY OF JULY, 2017 IN THE FLOWER MOUND TOWN HALL, LOCATED AT 2121 CROSS TIMBERS ROAD, IN THE TOWN OF FLOWER MOUND, COUNTY OF DENTON, TEXAS AT 6:30 P.M.

The Transportation Commission met in regular session with the following members present:

Chris Reed	Vice Chair
Robert Gunter	Commissioner, Place 1
Ron Hogue	Commissioner, Place 3
Brian Smiley	Commissioner, Place 4
Donald Gilmore	Commissioner, Place 5
Ed Horne	Commissioner, Place 8
Andy Allen	Commissioner, Place 9

Constituting a quorum with the following members absent:

Thomas Walker	Chair
Robert Caput	Commissioner, Place 2

(Places 8 and 9 of the Commission do not vote on items unless they sit in place of one of the regular members; Places 1-7.)

With the following members of the Town Staff participating:

Kenneth Parr	Executive Director, Public Works
Matthew Hotelling	Traffic Engineer
Delona Verplank	Administrative Assistant

A. CALL TO ORDER - REGULAR SESSION – 6:30 P.M.

B. PLEDGE OF ALLEGIANCE

C. PUBLIC PARTICIPATION

None.

D. TRAFFIC ENGINEER REPORT

- Repairs to Address FM 2499 Flooding
- Update status report related to operational issues, capital improvement projects, and TxDOT projects
- No-Texting State Law
- 19th Annual Boards & Commissions Banquet - August 31, 2017
- Future Transportation Commission meeting dates

E. CONSENT AGENDA

1. Consider approval of minutes from the regular meeting of the Transportation Commission held on May 9, 2017.

Commissioner Gunter made a motion to approve the May 9, 2017 minutes as presented; Commissioner Gilmore seconded the motion.

VOTE ON THE MOTION*Motion passed*

AYES: Gilmore, Hogue, Gunter, Reed, Allen, Smiley, Horne

NAYS: None

ABSTAIN: None

ABSENT: Walker, Caput

F. REGULAR ITEMS

2. Exception request for Surrey Lane between Solano Drive and Lakeside Parkway to allow for a permanent speed limit change to 25 mph for areas outside of the ¼ mile boundary of a school or major construction project.

Presenter

Matt Hotelling, Traffic Engineer

Spoke In Favor –

Erica Watkins, 805 Surrey Lane, Flower Mound

Spoke In Opposition –

None

Commission Deliberation

Commissioner Hogue made a motion to recommend approval of the exception request for Surrey Lane to allow for a permanent speed limit change to 25 mph for areas outside of the ¼ mile boundary of a school or major construction project. Commissioner Smiley seconded the motion.

VOTE ON THE MOTION*Motion passed*

AYES: Horne, Smiley, Allen, Reed, Gunter, Hogue, Gilmore

NAYS: None

ABSTAIN: None

ABSENT: Walker, Caput

3. Consider a recommendation regarding the multi-way stop intersections on Dixon Lane between Morriss Road and Long Prairie (FM 2499) to the Town Manager.

Presenter

Matt Hotelling, Traffic Engineer

Spoke In Favor –

None

Spoke In Opposition –

Charles Wilt, 2401 Rainbow Court, Flower Mound
Greg Good, 5909 Lavon Drive, Flower Mound
Amy Miller, 2404 Conroe Court, Flower Mound
Kevin Wheaton, 6000 Gateridge Drive, Flower Mound
Norma Lawyer, 2533 Russwood Drive, Flower Mound
Karen Henley, 2605 Russwood Drive, Flower Mound
Mary Kobe, 6000 Windridge Lane, Flower Mound
Adam Schiestel, 2205 Waterford Drive, Flower Mound
Joel Rotvold, 6012 Gateridge Drive, Flower Mound
Mehgan DeProspere, 2400 Clear Ridge Lane, Flower Mound
Eric Bitzer, 5812 Ridgemont Drive, Flower Mound
Mike Allen, 2402 Conroe Court, Flower Mound

Commission Deliberation

Commissioner Gunter made a motion to recommend that all multi-way stops on Dixon Lane between Morris Road and Long Prairie (FM 2499) remain as is. Commissioner Allen seconded the motion.

VOTE ON THE MOTION

Motion passed

AYES: Gilmore, Hogue, Gunter, Reed, Allen, Smiley, Horne

NAYS: None

ABSTAIN: None

ABSENT: Walker, Caput

H. ADJOURNMENT – 8:23 P.M.

TOWN OF FLOWER MOUND
TRANSPORTATION COMMISSION

Thomas Walker, Chairman

ATTEST:

Delona Verplank, Administrative Assistant



TRANSPORTATION COMMISSION AGENDA ITEM NO. 2

REGULAR ITEM

DATE: September 11, 2017

FROM: Matthew J. Hotelling, P.E., PTOE, Traffic Engineer

ITEM: **Consider a recommendation regarding a Thoroughfare Plan Amendment for the section of Lake Forest Boulevard south of Lakeside Parkway to Silveron Boulevard to the Town Council.**

BACKGROUND INFORMATION: This item is to consider changes to the Master Transportation Plan, more specifically the Thoroughfare Plan regarding Lake Forest Boulevard between Lakeside Parkway and Silveron Boulevard. A copy of the existing Thoroughfare Plan is included as attachment 1. This section of Lake Forest Boulevard was originally connected on the Thoroughfare Plan to the other section of Lake Forest Boulevard north of Aberdeen Drive. With the construction of the two Lewisville Independent School District at the intersection of Aberdeen/Lake Forest/Spinks intersection and the warehouse district to the south of Spinks where truck traffic was a concern on Spinks Road, the portion of Lake Forest to the south of Lakeside Parkway was split from the northern sections. The southern section remained on the Thoroughfare Plan, as it was uncertain what the development was going to occur in this area. This is master planned as the Lakeside Business District.

Currently there is a proposed development called The Point development that is the catalyst for this proposed Thoroughfare Plan change. As part of this development, the request was made to reanalyze this section of Lake Forest Boulevard to determine if the Urban Minor Arterial (UMA) shown on the Thoroughfare Plan was the appropriate designation for this street. An UMA is a 4 lane divided arterial street with a 90 foot right of way (ROW).

One of the results of the The Point development was a traffic impact analysis (TIA) to look at both the proposed development and an analysis of Lake Forest. An excerpt from the TIA is included as attachment 2. The proposed development was included in the model run and Kimley Horn and Associates (KHA), who maintains the Town's Transportation Model was used for the TIA and the Thoroughfare Plan analysis. A representative from KHA will be available at the meeting if the Commission has questions as regarding the modeling results.

The results of the TIA were that with the discontinuity of Lake Forest to the north of Lakeside Parkway, that the majority of the traffic on Lake Forest would be only local traffic. Therefore, it is the recommendation of the TIA that this section of Lake Forest could be reduced from an UMA to a simple mutual access easement between all of the existing properties. It does not recommend that the roadway could be eliminated altogether. This would allow for this ROW to be returned to the adjacent property owners and completely removed from the Town's maintenance responsibilities. There would need to be utility easements to incorporate existing franchise utilities and any Town utilities that may be within the existing ROW. The intersection of Lake Forest and Lakeside Parkway would still need to be centered on the driveway to the north.

ALTERNATIVES/OPTIONS: Leave Lake Forest on the Thoroughfare Plan as it or a different cross section.

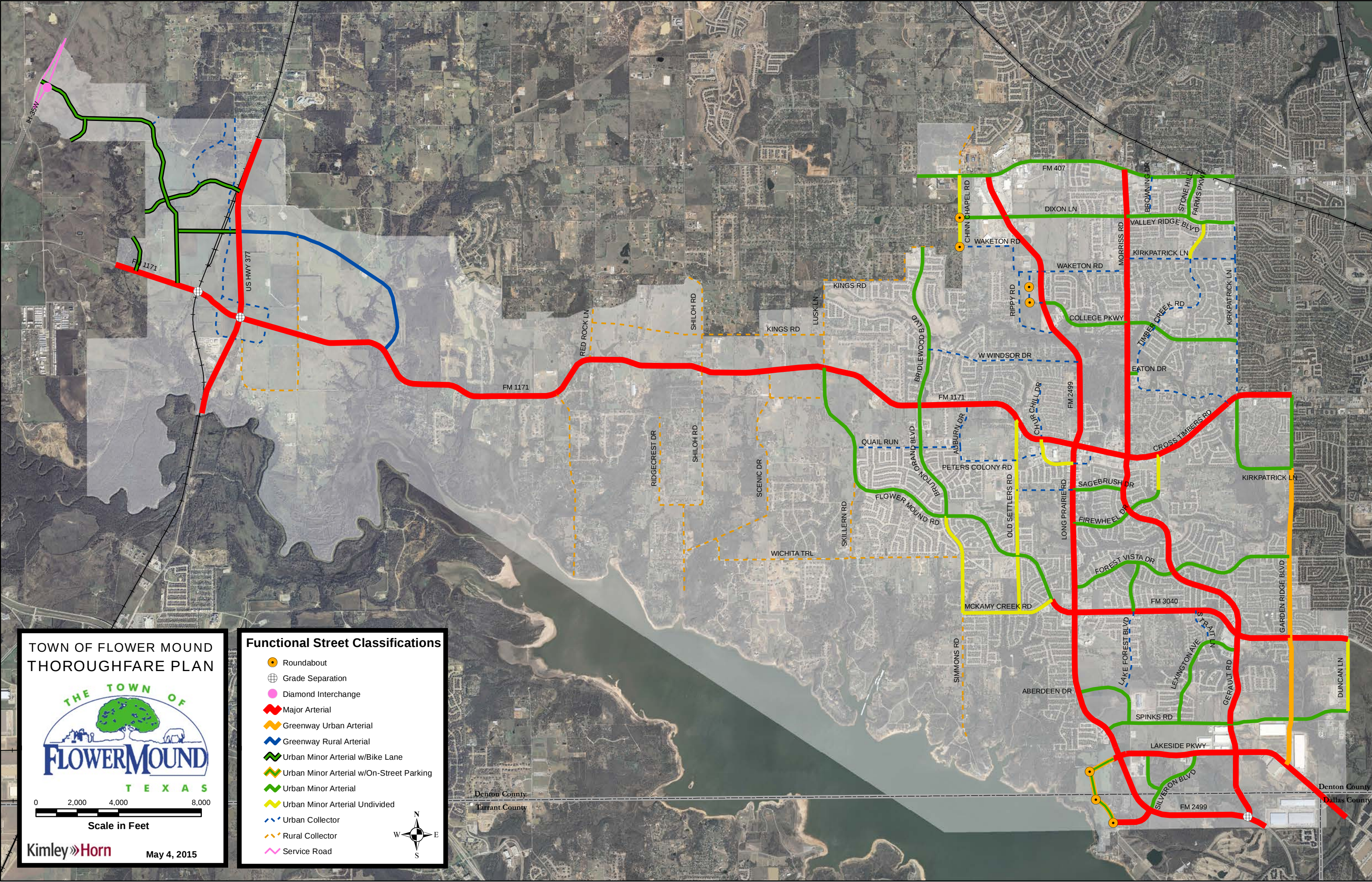
FISCAL IMPACT: N/A

LEGAL REVIEW: N/A

ATTACHMENTS:

1. Existing Thoroughfare Plan
2. Excerpt from The Point Traffic Impact Analysis

RECOMMENDATION: Move to recommend that Lake Forest south of Lakeside Parkway to Silveron Boulevard be removed from the Thoroughfare Plan.



TOWN OF FLOWER MOUND
THOROUGHFARE PLAN

THE TOWN OF
FLOWER MOUND
TEXAS

0 2,000 4,000 8,000

Scale in Feet

KimleyHorn

May 4, 2015

Functional Street Classifications

- Roundabout
- Grade Separation
- Diamond Interchange
- Major Arterial
- Greenway Urban Arterial
- Greenway Rural Arterial
- Urban Minor Arterial w/Bike Lane
- Urban Minor Arterial w/On-Street Parking
- Urban Minor Arterial
- Urban Minor Arterial Undivided
- Urban Collector
- Rural Collector
- Service Road



Table 12. Lakeside Parkway Thoroughfare Capacity Analysis

Scenario	Direction	Lane Capacity	AM Peak Hour			PM Peak Hour		
			Volume	V/C Ratio	LOS	Volume	V/C Ratio	LOS
Existing (2017)	EB	1,400	499	0.36	Acceptable	556	0.40	Acceptable
	WB	1,400	168	0.12	Acceptable	496	0.35	Acceptable
	Two-Way	2,800	667	0.24	Acceptable	1,052	0.38	Acceptable
Build Out Background (2022)	EB	1,400	608	0.43	Acceptable	676	0.48	Acceptable
	WB	1,400	204	0.15	Acceptable	604	0.43	Acceptable
	Two-Way	2,800	812	0.29	Acceptable	1,280	0.46	Acceptable
Build Out Total (2022)	EB	1,400	624	0.45	Acceptable	690	0.49	Acceptable
	WB	1,400	225	0.16	Acceptable	640	0.46	Acceptable
	Two-Way	2,800	849	0.30	Acceptable	1,330	0.48	Acceptable

Thoroughfare Plan Impact Analysis

Currently, the Town of Flower Mound's Thoroughfare Plan shows a proposed thoroughfare extension of Lake Forest Boulevard from Home Depot Drive to Silveron Boulevard. The Point development will affect this connection. A Travel Demand Model was originally used to develop the Town's Thoroughfare Plan. This model shows that most traffic projected on Lake Forest Boulevard between Silveron Boulevard and Lakeside Parkway is local traffic for development like The Point. Minimal traffic is projected to use Lake Forest Boulevard to travel from Silveron Boulevard to Lakeside Parkway. In addition, past iterations of the Thoroughfare Plan showed Lake Forest Boulevard extending further north. As the Town has developed, several of these segments have been removed or downgraded, reducing the emphasis on Lake Forest Boulevard as primary north-south connection in the Town. Based on these considerations, it is anticipated that downgrading the Lake Forest Boulevard extension from a thoroughfare facility to a mutual access drive would have minimal impact to the traffic network assuming efficient connectivity is maintained between the proposed development and Lakeside Parkway and Silveron Boulevard.

Auxiliary Lane Analysis

Turn lane requirements at the study intersections were based on the Town of Flower Mound's *Design Criteria* (April 2010). Based on the criteria, right-turn deceleration lanes will be required at all driveways served by a median opening and all driveways with a projected peak-hour right-turn entering volume of 50 vehicles or more. Also, right turn deceleration lanes will be required at any intersection of collectors and arterials as shown on the Town of Flower Mound Thoroughfare Plan.

TxDOT's Access Management Manual was used to provide reference criteria for auxiliary lanes on FM 2499. According to Table 2.3, *Auxiliary Lane Thresholds*, a right-turn deceleration lane must be considered on roadways with a posted speed greater than 45 mph if the projected right-turn volume into the driveway is greater than 50 vehicles per hour.

Based on the above criteria, the following are the recommendations for auxiliary lanes at the intersections: