

AGENDA

TOWN OF FLOWER MOUND TRANSPORTATION COMMISSION MEETING

12/13/2022

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

6:30 P.M.

An agenda information packet is available online at <http://www.flower-mound.com/AgendaCenter>

Please silence or turn off all electronic devices in Jody Smith Hall

A. CALL REGULAR MEETING TO ORDER

B. PLEDGE OF ALLEGIANCE

C. PUBLIC COMMENT

To speak to the Commission during public comment, please fill out a comment form.

- Speakers are limited to 3 minutes, however this can be adjusted by the Chair
- Additional time limits will be provided to members of the public that need to address the Transportation Commission through a translator
- Please state your name and address when speaking

The purpose of this item is to allow the public an opportunity to address the Commission on issues that are not the subject on this agenda. Issues regarding daily operational or administrative matters should first be dealt with by calling Town Hall at 972-874-6000 during business hours.

D. TRAFFIC MANAGER REPORT

- Update status report related to operational issues, capital improvement projects, and TxDOT projects
- Civic Clerk
- January Work Topics
- Future Transportation Commission meeting dates
 - January 10, 2023
- Future agenda items

E. CONSENT ITEMS

This part of the agenda consists of non-controversial or "housekeeping" items required by law. Items may be removed from Consent by any Commissioner by making such request prior to a motion and vote.

1. Minutes 10/11- Consider approval of the minutes from a regular meeting of the Transportation Commission held on October 11, 2022.

F. REGULAR ITEMS

2. Consider a recommending approval for a Master Plan Amendment – Western Flower Mound to the Planning and Zoning Commission and Town Council.

G. WORK SESSION ITEMS

3. Sharing of information related to School Crossing Guard Index (SCGI) data collection for the Fall 2022 semester.

H. ADJOURNMENT

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 also posted on the Town's website in accordance with GC Section 551.056 on the following date and time: December 9, 2022 at 4:00 PM, at least 72 hours prior to the scheduled time of said meeting.

Tina M. Wells

Tina M Wells, Administrative Secretary

The Flower Mound Town Hall and Jody Smith Hall are wheelchair accessible. Requests for accommodations or interpretive services must be made at least 48 hours prior to this meeting by contacting Tina Wells at 972-874-6436.



TRANSPORTATION COMMISSION AGENDA ITEM NO. 1

CONSENT ITEM

DATE: December 13, 2022

FROM: Matthew J. Hotelling, P.E., PTOE, ADAC, Senior Engineering Transportation Manager

ITEM: Consider approval of the minutes from the regular meeting of the Transportation Commission held on October 11, 2022.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the October 11, 2022 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 10.11.2022

DRAFT MOTION: Move to approve as presented in the agenda caption.

THE FLOWER MOUND TRANSPORTATION COMMISSION REGULAR MEETING HELD ON THE 11TH DAY OF OCTOBER 2022 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	Commissioner, Place 6
Michelle Jackson	Commissioner, Place 2
Cheryl Moore	Commissioner, Place 5
Todd Bayuk	Commissioner, Place 4
Charlie Landry	Commissioner, Place 7
Jason Huse	Commissioner, Place 8
John Corbett	Commissioner, Place 9

(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.)

Bjorn Vandug	Commissioner, Place 1
Ron Hogue	Commissioner, Place 3

With the following members of the Town staff participating:

Matthew Hotelling	Sr. Engineering Transportation Manager
Thomas Peppers	Graduate Traffic Engineer

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

B. PLEDGE OF ALLEGIANCE

C. PUBLIC PARTICIPATION

None

D. COMMISSION MEMBER INTRODUCTIONS

Michelle Jackson – Place 2

Todd Bayuk– Place 4

Cheryl Moore – Place 5

Chris Reed – Place 6

Charlie Landry – Place 7

Jason Huse – Alternate Place 8

John Corbett – Alternate Place 9

E. ELECTIONS

i) Chair

Commissioner Reed nominated himself for Chair. Commissioner Jackson seconded the nomination.

VOTE ON THE NOMINATION

Nomination passed (7-0-0)

AYES: Corbett, Jackson, Huse, Bayuk, Reed, Moore, Landry

NAYES: None

ABSTAIN: None

ABSENT: Vandug, Hogue

ii) Vice Chair

Commissioner Jackson nominated Commissioner Moore for Vice Chair. Commissioner Landry seconded the nomination.

VOTE ON THE NOMINATION

Nomination passed (6-0-0)

AYES: Landry, Moore, Bayuk, Huse, Jackson, Corbett

NAYES: None

ABSTAIN: None

ABSENT: Vandug, Hogue

F. TRAFFIC MANAGER REPORT

- Update status report related to operational issues, capital improvement projects, and TxDOT projects
- Introduction of new Graduate Traffic Engineer
- Online government training reminder
- Board and Commission banquet reminder – October 25th
- Introduction to High Speed Enforcement Area - Pilot
- Future Transportation Commission meeting dates
 - Discuss November date. Normal date must move
- Future agenda items

G. CONSENT ITEMS

1. Consider approval of minutes from the regular meeting of the Transportation Commission held on July 12 2022.

Vice Chair Moore made a motion to approve consent Item 1 as presented in the agenda caption. Commissioner Landry seconded the motion.

VOTE ON THE MOTION

Motion passed (5-0-0)

AYES: Corbett, Jackson, Huse, Bayuk, Moore, Landry

NAYES: None

ABSTAIN: None

ABSENT: Vandug, Hogue

H. WORK SESSION ITEMS

2. Work session item to discuss various training requests from January Work Topics.

H. ADJOURNMENT – 7.23 P.M.

**TOWN OF FLOWER MOUND
TRANSPORTATION COMMISSION**

CHRIS REED, CHAIR

ATTEST:

TINA M. WELLS, ADMINISTRATIVE SECRETARY



TRANSPORTATION COMMISSION AGENDA ITEM NO. 2

REGULAR ITEM

DATE: December 13, 2022

FROM: Matthew J. Hotelling, P.E., PTOE, ADAC, Senior Engineering Transportation Manager

ITEM: **Consider a recommending approval for a Master Plan Amendment – Western Flower Mound to the Planning and Zoning Commission and Town Council.**

BACKGROUND INFORMATION: This Master Plan Amendment (MPA) includes two separate areas of western Flower Mound. The first area is west of the Union Pacific Railroad (UPRR) and north of FM 1171 (Cross Timber Road). The second area is east of UPRR to just west of the Roanoke Hills Subdivision; and south of the Canyon Falls Drive/US 377 intersection to the Town Limits. The second area is commonly known as the Flower Mound Ranch area. Overall Vicinity Map is shown in Attachment 1. Thoroughfare streets currently within this proposed MPA are:

- Major Arterial – FM 1171 (Cross Timbers Road), US 377
- Greenway Rural Arterial – unnamed
- Urban Minor Arterial w/Bike Lane (UMAwBL) – Canyon Falls Drive, Denton Creek Boulevard, unnamed
- Urban Collector: Stonecrest Drive, other unnamed streets
- Rural Collector: Dunham Road, other unnamed streets

First area west of UPRR. This area was discussed and received a favorable recommendation made by the Transportation Commission (TRC) in January 2022. One of the major considerations for the area west of UPRR was the unlikelihood of being able to get even one new crossing of the railroad.

Both Stonecrest Road and the East/West UMAwBL on the current 2018 Thoroughfare Plan, Attachment 2, have crossings over the UPRR tracks. Based on recent experience, these crossings would be very difficult at best and would result in a very long process to implement quiet zones at these locations. In addition, based on recent experience, the new crossing would cost the Town a minimum of \$30,000 annually in perpetuity, per crossing to have UPRR maintain them after the initial cost of constructing the crossing.

The recommended motion from January 2022 was: Change the designation of the proposed Stonecrest Road Extension by realigning and redesignating it as an Urban Collector from Denton Creek Boulevard to the existing Stonecrest Road and the removal of Urban Minor Arterial with Bike Lane from Denton Creek Boulevard to US 377. Additionally, the recommendation to add a shared Bike Lane component to the Parks and Trails Master Plan for the east/west direction of Stonecrest Road. The recommended change of the Thoroughfare Plan is as shown in attachment 3 (of the January 2022 TRC item) for the area west of the UPRR tracks.

Second area east of UPRR (Flower Mound Ranch area). This area is a new area that has not been previously discussed by the TRC. The area is most commonly known as the Flower Mound Ranch or Furst Ranch development area. The mixed use zoning case (MU21-0002) was approved by Town Council on October 3, 2022. MU21-0002 was an application to amend the zoning on approximately 1,066 acres of land. Additionally, a zoning case (Z21-0009) for approximately 544 acres to the north and east of Flower Mound Ranch (Furst Ranch) was rezoned to single family estate on March 7, 2022. As part of those discretionary applications, a traffic impact study was conducted to determine if the development has a traffic network that can support the development. One keynote takeaway for the Flower Mound Ranch (Furst Ranch) development is that the build out year for this development is beyond 2060.

Therefore, the traffic impact study was done as part of a phased approach and not as total buildout conditions. Consideration for each phase of the development requires an update to the traffic impact study. As the development project gets closer to the actual buildout, there will ultimately be a buildout condition

assessment. The MPA that is under consideration before the TRC is for northeast quadrant of FM 1171 (Cross Timbers Road)/US 377 intersection. As with any major development project that has several phases and especially one where the buildout condition is a number of decades into the future, the likelihood of land uses changing over the next 40+ years is very high. Therefore, doing a buildout scenario this early is not likely to truly be the buildout conditions. This allows for more accurate identification of the land uses as they are proposed to be built.

Action Requested. Therefore, the action being requested for this MPA is twofold. The first is to continue the elimination for the railroad crossing on the western edge of the Flower Mound Ranch (Furst Ranch) development where the current 2018 Thoroughfare Plan, Attachment 2, shows an Urban Minor Arterial w/Bike Lane and an Urban Collector crossing of the UPRR tracks. Like in the first area west of UPRR tracks, these crossings would be very difficult at best. Since the roadway would not be crossing the UPRR tracks, the need for an Urban Minor Arterial of any kind would not be needed as the roadway would no longer be regional roadway in nature. The proposed section here is to provide a connection to US 377 but with the localized Urban Collector system as shown in Attachment 3.

The second action area is the northeast quadrant of the FM 1171 (Cross Timbers Road)/US 377 and phase 1 of the development. The northeast quadrant area is proposed to have both a realignment of the Greenway Rural Arterial, elimination of both the Rural Collector and Urban Collector and the addition of several Mixed Use roadway cross sections. Thoroughfare streets that are proposed to be realigned or eliminated are shown in Attachment 4. As part of the zoning request, there was a conceptual drawing of the Street Plan for the Flower Mound Ranch (Furst Ranch) area. That concept plan is Attachment 5. The plan includes the various Mixed Use cross sections for the northeast quadrant. These Mixed Use Thoroughfare Plan designations are:

- MU – Arterial
- MU – Collector
- MU – Dam Road

The MU – Arterial street section brings traffic in and around the core of the northeast quadrant with connections to FM 1171 (Cross Timbers Road), US 377 and the Greenway Rural Arterial. These were all studied as part of the Phase 1 analysis for Flower Mound Ranch and were found to be acceptable.

The MU – Collector borders the southern end of the core area. The MU – Collector connects to the MU – Arterial system. This roadway was also studied and found to be acceptable.

The MU – Dam Road. This area of roadway crosses the dam for Burger Lake and will transition from the 4 lane roadway cross sections to the two lane cross section of the Dam Road by the use of roundabouts. The roundabouts will allow for traffic to slow down prior to crossing the dam and also allow for the ease of pedestrian crossings at these locations.

Realignment of the Greenway Rural Arterial primarily is located inside of the single family estate section. The current 2018 Thoroughfare Plan Map, Attachment 2, identifies the Greenway Rural Arterial starting just west of the Roanoke Hills subdivision and connecting into US 377 in the area of Smoot Lane. The proposed realignment moves the start of the Greenway Rural Arterial to just north of Burger Lake and continues around the single family estate area and connect into US 377 at Canyon Falls Drive. This alignment is more conducive to better traffic flow into and out of the Flower Mound Ranch area. Furthermore, the Texas Department of Transportation (TxDOT) plans for the US 377 expansion has a drop lane at Canyon Falls northbound and the additional third lane beginning in the southbound direction at Canyon Falls

Roundabouts and one-way couplet. There are several roundabouts shown in this plan that will keep traffic flowing where major intersections or roadway reductions/expansions come together. Roundabouts facilitate the flow of traffic better than stop sign controlled intersections and will be less expensive to maintain than a traffic signal. Roundabouts will keep traffic speeds lower at these intersections surrounding the core area and create a more pedestrian friendly environment. In the center of the core area, that area is expected to operate as a one-way couplet to facilitate traffic through that area.

For the northwest, southwest and southeast quadrants, the concept plan, Attachment 5, shows connections within these quadrants as Local Urban Residential streets. Those cross sections will likely change slightly as these quadrants are platted and finalized. The TIA analyzed these roadways as collector streets which were found to be acceptable. As such, the current thoroughfare plan is proposed to remain predominantly as previously shown and the alignment is compatible to the concept plan. Any change to this plan would be required to come back to the TRC for recommendation for the Thoroughfare Plan change. The proposed Thoroughfare Plan is shown in Attachment 3.

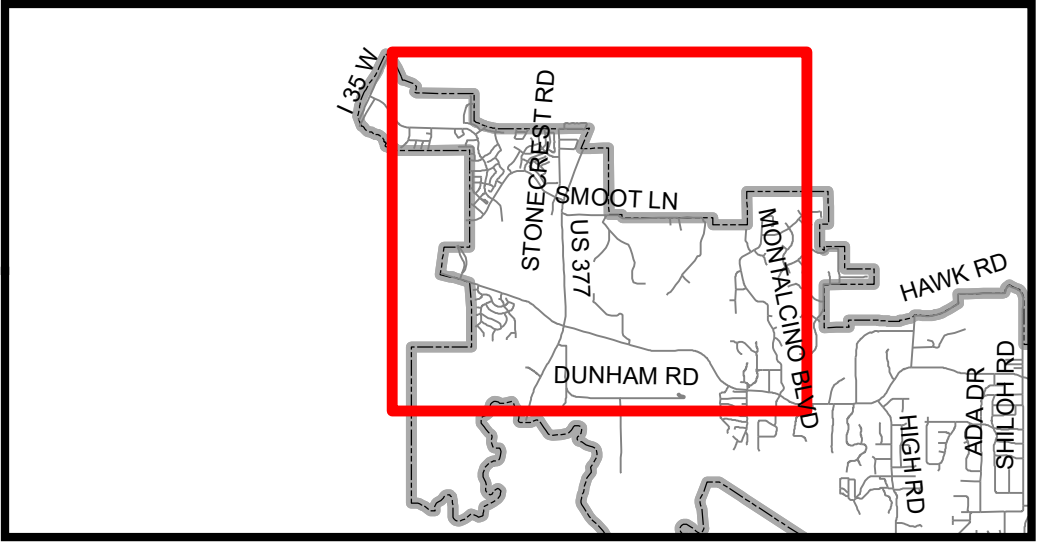
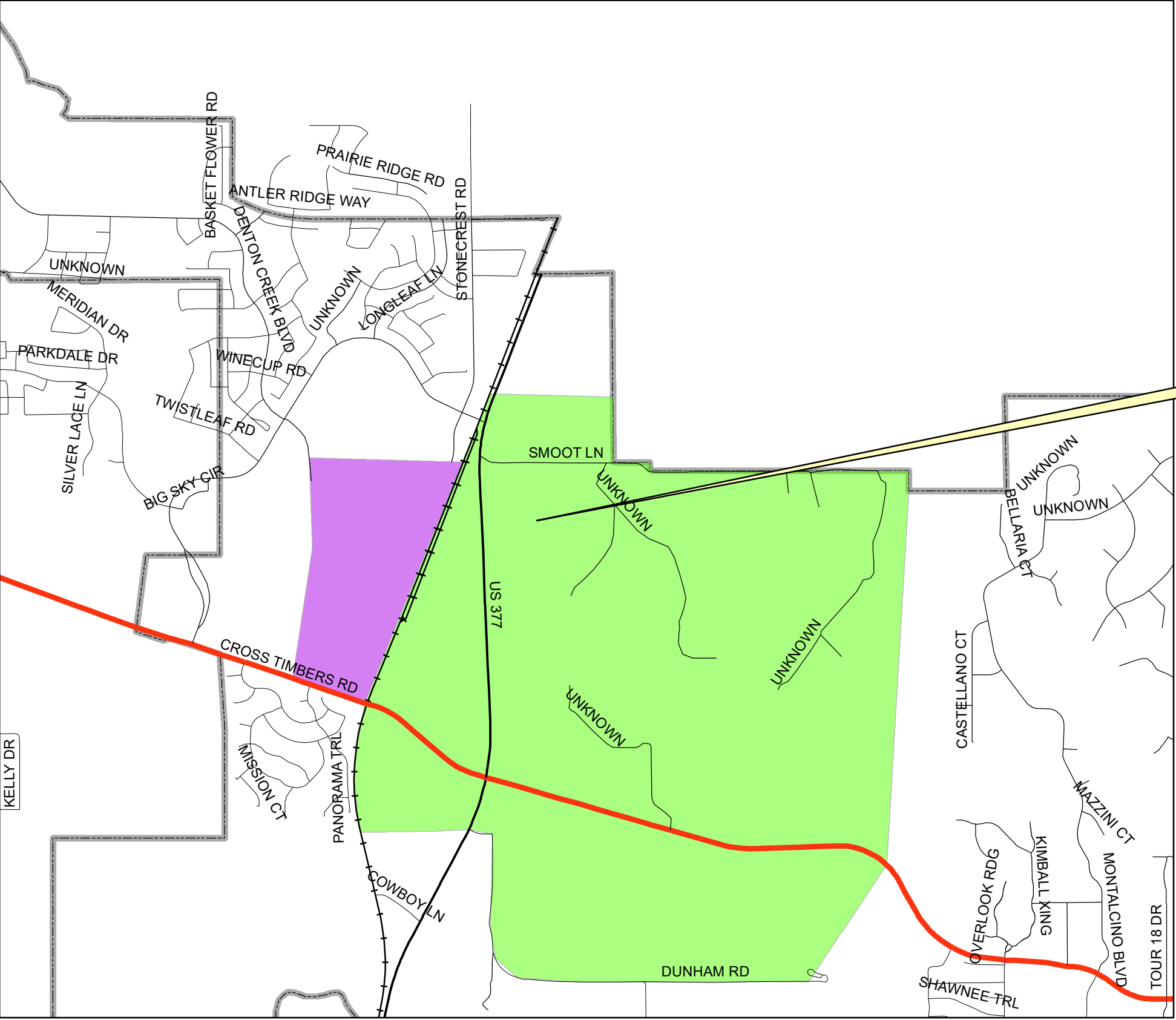
Attachments:

1. Overall Vicinity Map
2. 2018 Thoroughfare Plan
3. Proposed 2023 Thoroughfare Plan for Western Flower Mound
4. Proposed Thoroughfare Plan realignment or elimination streets
5. Concept Street Plan for Flower Mound Ranch from MU21-0002 case

DRAFT MOTION: Move to recommend approval as shown in Attachment 3 for a Master Plan Amendment – Western Flower Mound to the Planning and Zoning Commission and Town Council.



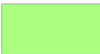
Vicinity Map - Overall Vicinity Map



Project Location(s)

Legend

Western Flower Mound
SubRegion

-  UPRR West
-  Flower Mound Ranch Area

**TOWN OF FLOWER MOUND
THOROUGHFARE PLAN**



0 2,000 4,000 8,000

Scale in Feet

Kimley»Horn

May 21, 2018

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

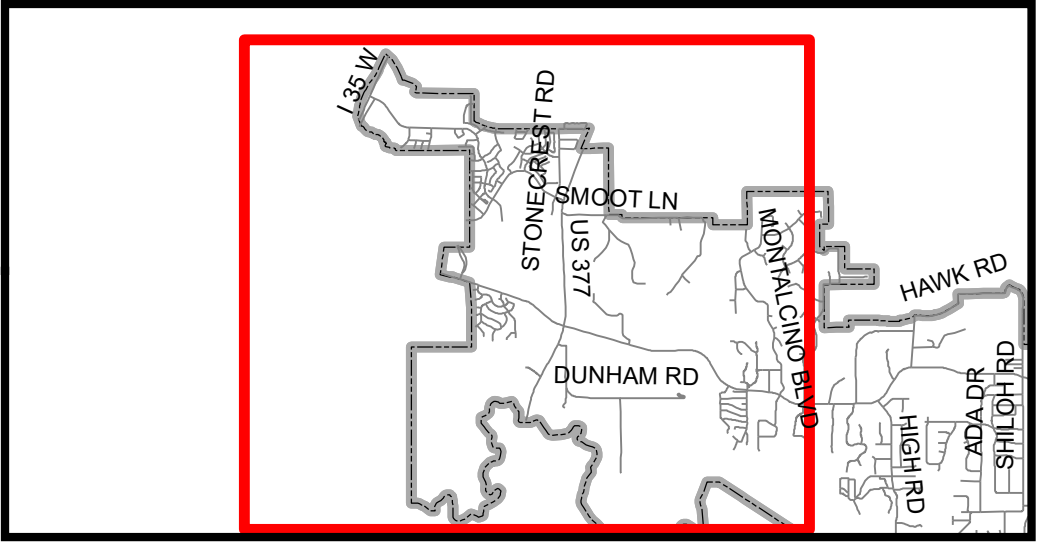
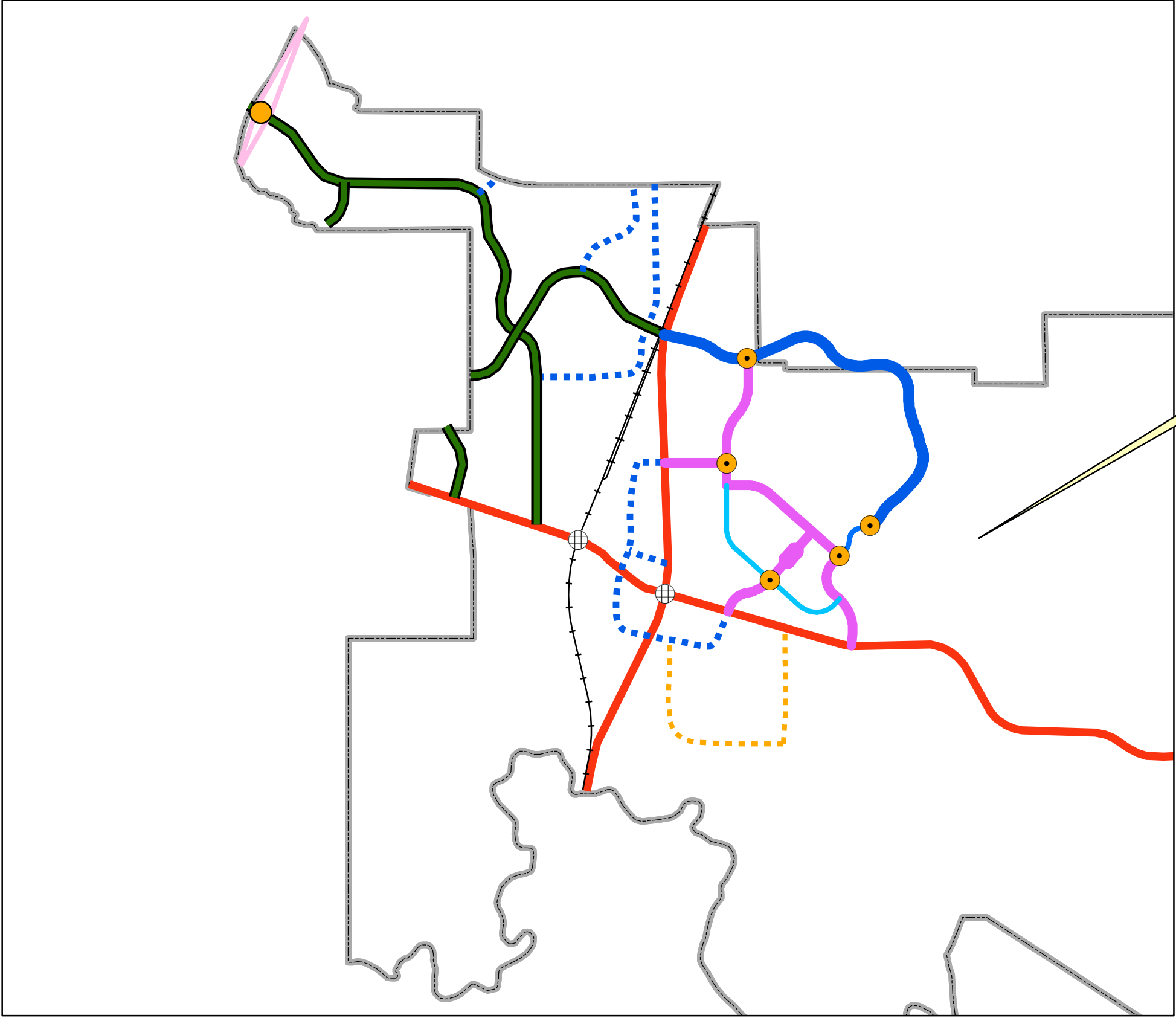


Denton County
Tarrant County

Denton County
Dallas County



Vicinity Map - Proposed 2023 Thororoughfare Plan Map for Western Flower Mound



Project Location(s)

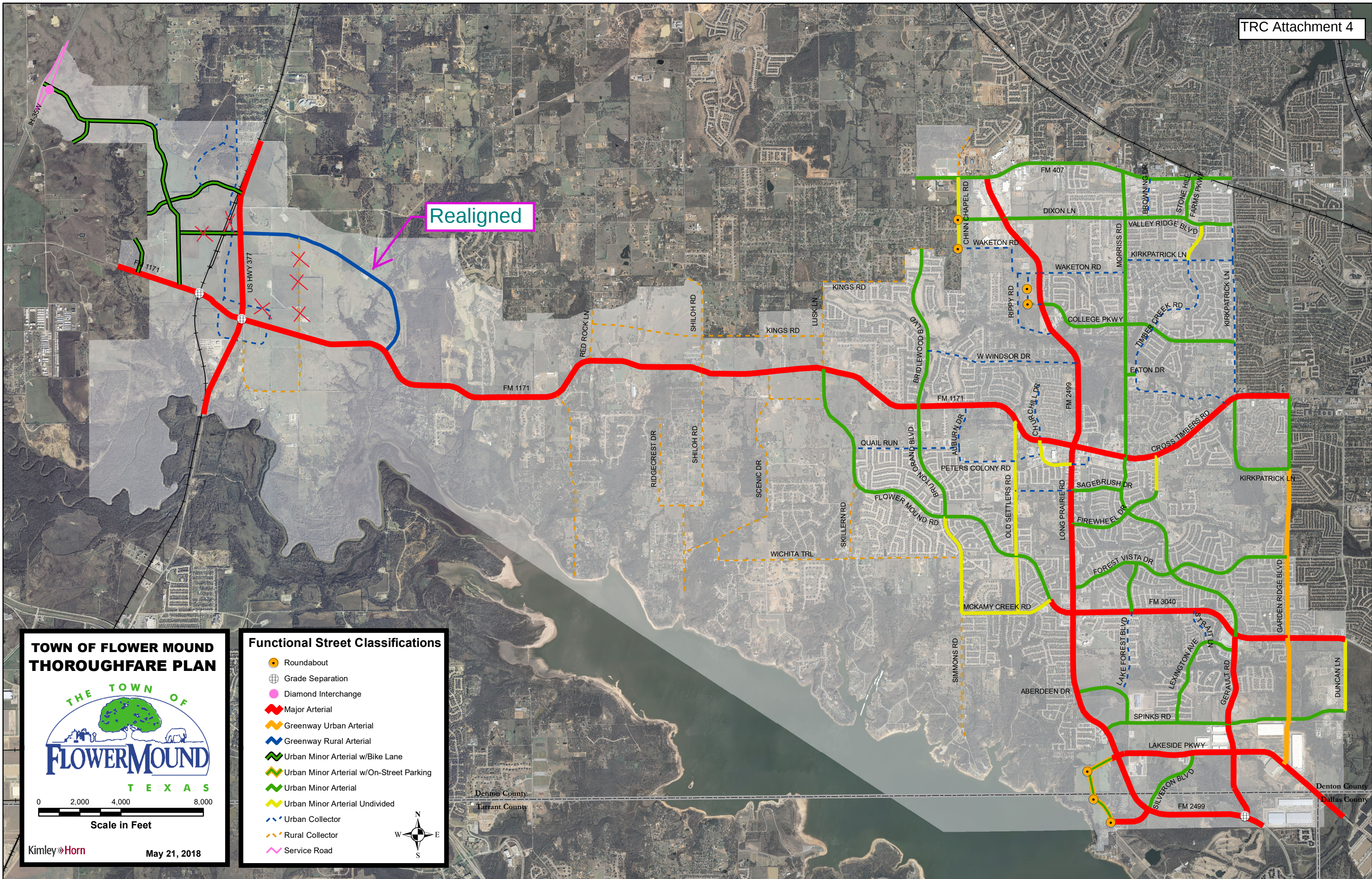
Legend

Flower Mound Ranch Roads

- Greenway Rural Arterial
- MU - Arterial
- MU - Collector
- MU - Dam Road

Current Thoroughfare Plan

- Major Arterial
- Urban Minor Arterial w/Bike Lane
- Urban Collector
- Rural Collector
- Service Road
- Diamond Interchange
- Grade Separation
- Roundabout



**TOWN OF FLOWER MOUND
THOROUGHFARE PLAN**

0 2,000 4,000 8,000
Scale in Feet

Kimley»Horn May 21, 2018

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



TRANSPORTATION COMMISSION AGENDA ITEM NO. 3

WORK SESSION ITEM

DATE: December 13, 2022

FROM: Steven Strickland, Lieutenant

ITEM: **Sharing of information related to School Crossing Guard Index (SCGI) data collection for the Fall 2022 semester.**

BACKGROUND INFORMATION: This agenda item is to provide information regarding the Fall 2022 semester SCGI data collection results.

The Town of Flower utilizes the SCGI to evaluate the need for staffing of adult crossing guards at specific and logical sites. The SCGI was considered and recommended by the Transportation Commission (TRC) in September 2011. An evaluation of the crossing guard sites, including pedestrian and vehicle counts was conducted throughout Fall 2022 semester.

The Flower Mound Police Department will continue to conduct SCGI evaluations each semester of the school year to evaluate and prioritize the need for adult school crossing guard staffing at locations. The results of which will be shared with the TRC for feedback and notification of needed adjustments that may result, if any. As previously identified, the SCGI results will be brought back to the TRC each semester. It is anticipated that this item will be brought back in the April or May timeframe for the Spring semester. For locations that fail to meet the SCGI, they may be subject to removal after the Spring semester.

ATTACHMENTS: N/A

DRAFT RECOMMENDATIONS: The purpose of this agenda item is to provide information to the Transportation Commission and elicit feedback. No formal action is required.