

AGENDA

TOWN OF FLOWER MOUND TRANSPORTATION COMMISSION MEETING

APRIL 9, 2019

**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 COMMENT

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

- Turn in form by 6:20 p.m. to Administrative Assistant
- Speakers are limited to 3 minutes, however this can be adjusted by the Chair
- 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.

D. PRESENTATION AND DISCUSSION ON THE NEW PUBLIC COMMUNICATION PROCESS FOR BOARDS AND COMMISSIONS

E. TRAFFIC ENGINEER REPORT

- Update status report related to operational issues, capital improvement projects, and TxDOT projects
- Future Transportation Commission meeting dates
 - May 16

Transportation Commission Meeting Agenda

April 9, 2019

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F. 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 A member of the Transportation Commission may request an item(s) be withdrawn from the consent agenda and moved to regular agenda for discussion by making such request prior to a motion and vote on the Consent Agenda.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 February 12, 2019.

G. REGULAR ITEMS

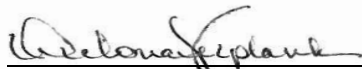
2. Consider a recommendation to staff for a proposed list of Proposed Sidewalk Links locations for inclusion in the FY19-20 Sidewalk Links Construction Project, through the Annual Budget process.

H. WORK SESSION ITEMS

3. Capital Improvement Projects Review for Streets, Street Reconstruction and Traffic Signals for FY19-20.
4. Review of the FM 2499 (Long Prairie Road) at Waketon Road Intersection Crash Data for 2018.

I. 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 posted on the following date and time: April 5, 2019 at 4:15 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 at 972-874-6317. Reasonable accommodations will be made to assist your needs.



TRANSPORTATION COMMISSION AGENDA ITEM NO. 1

CONSENT ITEM

DATE: April 9, 2019

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

ITEM: Consider approval of the minutes from the regular meeting of the Transportation Commission held on February 12, 2019.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the February 12, 2019 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 February 12, 2019 regular meeting of the Transportation Commission.

RECOMMENDATION: Move to approve as presented in the agenda caption.

THE FLOWER MOUND TRANSPORTATION COMMISSION MEETING HELD ON THE 12TH DAY OF FEBRUARY, 2019 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:

Donald Gilmore	Vice Chair
Drew Larson	Commissioner, Place 1
Robert Caput	Commissioner, Place 2
Ron Hogue	Commissioner, Place 3
Chris Reed	Commissioner, Place 6
Adam Schiestel	Commissioner, Place 8

Constituting a quorum with the following members absent:

Thomas Walker	Chair
Ed Horne	Commissioner, Place 4
Justin Thomason	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.)

With the following members of the Town Staff participating:

Matthew Hotelling	Traffic Engineer
Delona Verplank	Administrative Assistant

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

B. PLEDGE OF ALLEGIANCE

C. PUBLIC PARTICIPATION

None

D. TRAFFIC ENGINEER REPORT

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

E. CONSENT ITEMS

1. Consider approval of minutes from the regular meeting of the Transportation Commission held on January 8, 2019.

Commissioner Reed moved to approve the January 8, 2019 minutes as presented. Commissioner Schiestel seconded the motion.

VOTE ON THE MOTION*Motion passed*

AYES: Schiestel, Reed, Gilmore, Hogue, Caput, Larson
NAYS: None
ABSTAIN: None
ABSENT: Walker, Horne

F. REGULER ITEMS

2. Exception request for the Wellington of Flower Mound Phase 8 and a portion of the Wellington of Flower Mound Phase 9 Subdivisions 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.

Staff Presenter

Matt Hotelling, Traffic Engineer

Spoke In Favor

Mr. Tovah, 3912 Appleton Lane, Flower Mound

Spoke In Opposition

None

Commission Deliberation

Commissioner Schiestel moved to approve regular item 2 as presented. Commissioner Caput seconded the motion. The item, as approved, is restated above.

VOTE ON THE MOTION*Motion passed*

AYES: Larson, Caput, Hogue, Gilmore, Reed, Schiestel
NAYS: None
ABSTAIN: None
ABSENT: Walker, Horne

G. WORK SESSION ITEMS

3. Presentation and Discussion by Representatives from the North Central Texas Council of Governments in regards to Regional Activities associated with Automated Vehicles.

Presenters

Tom Bamonte, Sr. Program Manager, Autonomous Vehicles, NCTCOG

Clint Hail, Transportation Planner, Autonomous Vehicles, NCTCOG

4. Presentation and Discussion by Representatives from Cubic/Trafficware in regards to Adaptive Signal Control and SyncroGreen.

Staff Presenter

Mary Griffin, Sr. Business Development Manager, Cubic/Trafficware

H. ADJOURNMENT – 8:59 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: April 9, 2019

FROM: Clay Riggs, PE, CFM, Assistant Director of Public Works

ITEM: **Consider a recommendation to staff for a proposed list of Proposed Sidewalk Links locations for inclusion in the FY19-20 Sidewalk Links Construction Project, through the Annual Budget process.**

BACKGROUND INFORMATION: Through various years several different projects were programmed to address some of the sidewalk gaps that have existed up to now. These projects consisted of the 1997 Bond Election; 2004 Council Communication; Town Construction Projects; Annual Sidewalk Program; Sidewalk Links Projects and Private Development.

Currently, funding for trail construction and maintenance is paid through park development funds and 4B sales tax revenue. The park development funds and the 4B sales tax money are used for infrastructure improvements at park locations and for trails.

General funds are used by Public Works to provide maintenance of existing sidewalks along arterial and collector streets by replacement of approximately 1,000 linear feet annually, at a cost of approximately \$25,000.00.

The annual sidewalk program allows a resident to reimburse the Town for sidewalk replacement along their property and a repayment option over a 12 month period. The program allows for residents to take advantage of lower construction prices offered as part of a Town contract. As a self-supporting account, the Neighborhood Improvement Fund is dependent upon the revenues generated by the resident's reimbursements to generate the revenue to cover the following year's cost of operation.

During previous years, the Transportation Commission has recommended to staff a proposed list of Proposed Sidewalk Links locations with a proposed expenditure of \$150,000.00. The proposed locations were based on, but not limited to the following factors:

- Must be alongside an arterial/collector street
- Must be adjoining a developed property
- Locations have been repeatedly requested by residents
- Locations identified by the Transportation Commission at past meetings.
- Project costs
- Non-trail segment
- Proximity to school locations

Similar to last year's proposal, staff is seeking a recommendation from the Transportation Commission for a proposed list of sidewalk links to include in the FY19-20 budget year with a proposed expenditure of \$150,000.00. Attachment 1 contains an updated list of sidewalk link locations currently under review. Budget costs have been updated to reflect current construction costs and field conditions.

As in previous years, projects should be selected based on the above list of factors.

ATTACHMENTS:

1. FY19-20 Remaining Sidewalk Links List

RECOMMENDATION: Move to recommend to staff a proposed list of Proposed Sidewalk Links locations for inclusion in the FY19-20 Sidewalk Links Construction Project, through the Annual Budget process.

FY2019-20 Remaining Sidewalk Links (rev. 04-05-19)

- Major Challenges
 Minor-Neutral Scope
 Viable Routes

<u>Location</u>	<u>Length (ft)</u>	<u>Width (ft)</u>	<u># of Ramps</u>	<u>Estimated Cost</u>	<u>Status</u>
<u>FM 1171</u>					
North side, east of Riverwalk Drive	620	6	2	\$ 43,032.00	Waiting on west bound turn lane
North side, East of Morriss to Firewheel Drive	1365	8	2	\$ 370,046.38	Right-of-way & utilities conflicts
North side, Firewheel Drive to Eads Street	750	8	2	\$ 90,900.00	No signalized crossing at Firewheel
North side, Timber Creek Rd to Kirkpatrick Ln	530	6	0	\$ 63,764.20	Retaining wall required

FM 407

South side, east of Morriss to Browning Drive	1000	8	6	\$ 139,920.00	<i>Under Design</i>
South side, east of Browning to west of Cirrus Ct (\$5,44.53 escrow available)	500	8	5	\$ 73,920.00	
South side, west of Stone Hill Farms Pkwy	320	8	0	\$ 39,265.60	<i>Recommended (S.H. Farms Retail)</i>
South side, Stone Hill Farms Pkwy to East of Town Limit	1350	8	1	\$ 174,834.00	<i>(Stone Hill Farms East II Addition)</i>
South side, Tom Thumb Drive to Morriss	840	8	6	\$ 119,433.60	

FM 3040

North side, west of Tealwood Blvd, adjacent to Tealwood Oaks	800	8	1	\$ 133,679.00	ADA challenges
North side, east of Tealwood Blvd, adjacent to Tealwood Oaks	850	8	1	\$ 141,875.50	ADA challenges
North side, adjacent to Willow Ridge	750	8	0	\$ 151,320.00	Retaining wall required

FY2018-19 Remaining Sidewalk Links (rev. **04-06-18**)

- Major Challenges
 Minor-Neutral Scope
 Viable Routes

<u>Location</u>	<u>Length (ft)</u>	<u>Width (ft)</u>	<u># of Ramps</u>	<u>Estimated Cost</u>	<u>Status</u>
<u>Churchill Drive</u>					
west side, 1st drive s/o FM 1171 to FM 1171	185	8	0	\$ 26,917.50	CLA - Development (abandonment)
<u>Simmons Road</u>					
West side, Hillsdale Dr to Wichita Trail	465	5	1	\$ 46,352.00	(Red Hawk Addn)
West side, Hide A Way Lane to North of Simmons Creek	800	5	3	\$ 71,460.00	Retaining wall & railing required
West side, Hide A Way Lane to McKamy Creek	950	5	7	\$ 109,830.00	Requires retaining walls & railing
<u>Strait Lane</u>					
West side, FM 3040 to Rock Cliff Lane	530	4	0	\$ 25,599.00	Challenges with Cemetery screening
<u>Waketon Road</u>					
North side, Marcus High west to end of residences	1928	4	0	\$ 575,122.40	Requires CIP Improvements
South side, Timber Way west to apartment drive/bus stop	725	4	2	\$ 249,350.00	Requires CIP Improvements



TRANSPORTATION COMMISSION AGENDA ITEM NO. 3

WORK SESSION ITEM

DATE: April 9, 2019

FROM: Clay Riggs, P.E., C.F.M., Assistant Director of Public Works
Matthew J. Hotelling, P.E., PTOE, ADAC, Traffic Engineer

ITEM: **Capital Improvement Projects Review for Streets, Street Reconstruction and Traffic Signals for FY 19-20.**

BACKGROUND INFORMATION: During the January 2019, Transportation Commission (TRC) meeting work topics item, the Commissioners expressed a desire to have greater input and review of the Capital Improvement Project (CIP) program for Streets, Streets Reconstruction and Signals. The CIP group is beginning their compilation of the upcoming FY 19-20 budget year process. This item will provide a chance for TRC to provide feedback to staff on the projects for FY 19-20. The input from the TRC will be used to help select projects for the upcoming year or possibly push projects out into future years. Attached to this agenda item are the current (FY 18-19 Amendment 3) CIP for Streets, Street Reconstruction and Traffic Signals. Street reconstruction projects are based on the street rating system that the TRC heard back in October 2016. Other projects that are funded by Impact Fees may not move due to their connection to the Impact Fee Schedule

The Streets, Street Reconstruction, and Traffic Signal Projects Five Year CIP identify funding sources and schedules for the construction. The Five Year CIP is revisited and modified as needed as part of the Town's yearly budget process.

Streets projects are projects that the Town builds as new roadways. Currently slated for FY 19/20 are some larger project of the intersection improvements to FM 2499/FM 407; the intersection improvements at FM 2499/Waketon along with the improvements to Rippy Road from south of Waketon to just west of FM 2499.

Street Reconstruction projects are projects that take an existing roadway that has begun to fail or is rated low in the Pavement Management Index and brings them up to new condition. These projects are paid for by the 1/4 cent sales tax for Streets. The 1/4 cent sales tax must be voted on every 4 years. This renewal is going to be on the ballot for Fall 2019. This funding source has proven itself invaluable to keeping our older streets maintained and has saved millions of dollars from needing to be spent out of the general fund to fix these streets. Current projects like the Morris Reconstruction project may need additional funds to complete the section of roadway under design and may cause other reconstruction projects to shift in the CIP.

There are a number of locations that have met traffic signal warrants and could be placed on the CIP for Traffic Signals. There is however a portion of the US 377 at Canyon Falls Drive that may supersede these new traffic signals in order to complete that connection to the railroad to make this location operational. New locations will be discussed at this meeting.

Any feedback from TRC will be given to the Executive Director of Public Works to be distributed to the appropriate staff person to use as part of the decision making process for project for the FY 19-20 CIP.

ATTACHMENTS:

1. FY 18-19 CIP Sheets for Streets, Street Reconstruction and Traffic Signals Amendment 3

RECOMMENDATION: The purpose of this item is to provide information to the Transportation Commission and to elicit feedback in the form of consensus ideas on the CIP projects. No Formal Action is required.

TOWN OF FLOWER MOUND
SUMMARY OF FIVE YEAR CIP PLAN
FY 2018-2019
3/18/2019
Amendment 3

STREET PROJECTS	PRIOR FISCAL YEARS	CONSTRUCTION SCHEDULE						TOTAL PROJECT COSTS	OTHER SOURCES		ISSUED DEBT GO's & CO's		AUTHORIZED UNISSUED GO's		NEW DEBT	DEBT SCHEDULE					
		2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2028									2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2028
Aberdeen Drive Phase I (2 Lanes FM 2499 to Lake Forest) **	\$ 1,650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,650,000	\$ 1,300,000	0,2,5	\$ 350,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Aberdeen Drive Phase II (2 additional Lanes FM 2499 to 700 ft. North of Spinks) **	-	-	-	-	2,463,000	-	-	2,463,000	1,063,000	0,2,5	-		-	1,400,000	-	-	-	-	1,400,000	-	
ADA Transition Plan and Implementation **	648,000	500,000	150,000	150,000	150,000	150,000	-	1,748,000	13,000	2	635,000		-	1,100,000	500,000	150,000	150,000	150,000	150,000	-	
Bruton Orand at FM1171 Right Turn Lane (Northbound)	-	100,000	400,000	-	-	-	-	500,000	100,000	2	-		-	400,000	-	400,000	-	-	-	-	
Churchill Drive (FM 2499 to Yucca) **	1,000,000	-	-	-	-	-	-	1,000,000	1,000,000	0,2,7	-		-	-	-	-	-	-	-	-	
Cowboy Lane **	-	-	-	-	-	-	433,337	433,337	193,337	3	-		-	240,000	-	-	-	-	-	240,000	
Denton Creek Boulevard Bridge (Graham Branch crossing)	310,000	6,590,000	-	-	-	-	-	6,900,000	1,150,000	0,1,2	-		-	5,750,000	5,750,000	-	-	-	-	-	
Firewheel Drive (complete 4 lane gap, to 340 feet north of Garden Rd) **	555,000	-	-	-	-	-	-	555,000	555,000	0,2	-		-	-	-	-	-	-	-	-	
FM 1171 at FM 2499 Eastbound Right Turn Lane **	885,000	-	-	-	-	-	-	885,000	785,000	2,7	100,000		-	-	-	-	-	-	-	-	
FM 1171 at FM 2499 Westbound Right Turn Lane **	998,000	-	-	-	-	-	-	998,000	998,000	2,7	-		-	-	-	-	-	-	-	-	
FM 1171 at River Walk Dr Intersection Improvements **	350,000	600,000	-	-	-	-	-	950,000	350,000	0,2,3,5	-		-	600,000	600,000	-	-	-	-	-	
FM 2499 at FM 407 Intersection Improvements **	-	400,000	1,300,000	-	-	-	-	1,700,000	1,400,000	1,2	300,000		-	-	-	-	-	-	-	-	
FM 2499 at Lakeside North Right Turn Lane **	100,000	375,000	-	-	-	-	-	475,000	375,000	0,2	100,000		-	-	-	-	-	-	-	-	
FM 2499 at Waketon Intersection Improvements	-	360,000	1,240,000	-	-	-	-	1,600,000	1,000,000	2,7	-		-	600,000	-	600,000	-	-	-	-	
FM 2499 Roadway, Traffic Signal, and Drainage	8,200,000	-	-	-	-	-	-	8,200,000	7,000,000	1,2	1,200,000		-	-	-	-	-	-	-	-	
Garden Ridge Through Lane (at FM 3040)	-	60,000	550,000	-	-	-	-	610,000	400,000	0,2	-		-	210,000	-	210,000	-	-	-	-	
I 35W Interchange at Denton Creek	-	-	-	-	-	-	5,000,000	5,000,000	5,000,000	0,1,5	-		-	-	-	-	-	-	-	-	
Impact Fee Update	-	-	120,000	-	-	-	-	120,000	120,000	0	-		-	-	-	-	-	-	-	-	
Kirkpatrick Lane Phase III (South of FM 1171)	-	-	-	-	800,000	7,918,000	-	8,718,000	4,975,000	0,1,2	-		-	3,743,000	-	-	-	-	3,743,000	-	
Lake Forest Boulevard Roadway Improvements	2,000,000	-	-	-	-	-	-	2,000,000	600,000	0,2	1,400,000		-	-	-	-	-	-	-	-	
Lakeside Dual Left turn Lane at Gerault **	-	-	-	200,000	-	-	-	200,000	100,000	0,2,5	-		-	100,000	-	-	100,000	-	-	-	
Lakeside Parkway Capacity Improvements **	-	-	-	540,000	6,840,000	-	-	7,380,000	7,380,000	0,1,2	-		-	-	-	-	-	-	-	-	
Lusk/Red Oak East-West Connector	-	-	-	-	-	-	7,232,000	7,232,000	732,000	0,2	-		-	6,500,000	-	-	-	-	-	6,500,000	
Morris Road Improvements **	650,000	630,000	-	-	-	-	-	1,280,000	1,155,000	0,1,2,4	-		-	125,000	125,000	-	-	-	-	-	
Peters Colony Roundabout **	-	200,000	500,000	-	-	-	-	700,000	200,000	2	-		-	500,000	-	500,000	-	-	-	-	
Rippy Road (Waketon to FM 2499)**	800,000	350,000	2,650,000	-	-	-	-	3,800,000	2,115,000	2,7	-		-	1,685,000	-	1,685,000	-	-	-	-	
Roadway Amenities	388,083	205,000	90,000	90,000	90,000	90,000	-	953,083	308,083	2,4	195,000		-	450,000	90,000	90,000	90,000	90,000	90,000	-	
Sidewalk Links **	961,000	150,000	-	-	-	-	-	1,111,000	1,111,000	2,4	-		-	-	-	-	-	-	-	-	
Skilern Road (Flower Mound Rd to Riverhill) **	905,000	-	-	-	-	-	-	905,000	85,561	2,3	819,440		-	-	-	-	-	-	-	-	
Stonecrest Road (500 ft. North of Canyon Falls Dr. to Town Limit) **	1,050,000	-	-	-	-	-	-	1,050,000	150,000	2,5	900,000		-	-	-	-	-	-	-	-	
Transportation Model Update and LOS Mapping	-	75,000	-	-	-	-	-	75,000	75,000	2	-		-	-	-	-	-	-	-	-	
Waketon Road **	5,500,000	460,000	-	-	-	-	-	5,960,000	4,670,000	2,3,5,7	830,000		-	460,000	460,000	-	-	-	-	-	
Windsor Roundabout Connection	-	325,000	-	-	-	-	-	325,000	325,000	2,4	-		-	-	-	-	-	-	-	-	
SUBTOTAL	\$ 26,950,083	\$ 11,380,000	\$ 7,000,000	\$ 980,000	\$ 10,343,000	\$ 8,158,000	\$ 12,665,337	\$ 77,476,420	\$ 46,783,981	\$ 11	\$ 6,829,440	\$ -	\$ -	\$ 23,863,000	\$ -	\$ 7,525,000	\$ 3,635,000	\$ 340,000	\$ 240,000	\$ 5,383,000	\$ 6,740,000

*General Obligation Bonds
** Project Includes ADA Improvements
Other Sources
0. Impact Fees
1. Grant and Interlocal Funds
2. Other Sources (Proj. Sav.,Fund Bal.,Interest Inc.)
3. Escrow
4. Decision Package
5. Developer Agreement(s)
6. Park Development Fund
7. Tax Increment Reinvestment Zone (TIRZ)
8. Dedicated Sales Tax
9. SH 121 Regional Toll Revenue (RTR)

TOWN OF FLOWER MOUND
SUMMARY OF FIVE YEAR CIP PLAN
FY 2018-2019
3/18/2019
Amendment 3

STREET RECONSTRUCTION PROJECTS	PRIOR FISCAL YEARS	CONSTRUCTION SCHEDULE						TOTAL PROJECT COSTS	OTHER SOURCES		ISSUED DEBT GO's & CO's		AUTHORIZED UNISSUED GO's		NEW DEBT		DEBT SCHEDULE					
		2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2028										2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2028
Flower Mound Road Reconstruction Phase II (Old Settlers to Bruton Orand) **	-	-	-	-	-	-	2,344,000	2,344,000	2,344,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Forest Vista Reconstruction Phase II (Morriess to Chancellor) **	-	335,000	2,400,000	-	-	-	-	2,735,000	2,735,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Forest Vista Reconstruction Phase III (Chancellor to Lake Shore) **	-	-	-	-	350,000	2,300,000	-	2,650,000	2,650,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Grady Court Reconstruction (Homestead to Cul-de-sac)	-	675,000	-	-	-	-	-	675,000	675,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Lopo Road Reconstruction (River oak to 330-ft West of Garden Ridge) **	-	-	950,000	-	-	-	-	950,000	950,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Morriess Road Panel Replacement (FM 3040 to FM 1171) **	-	4,040,000	-	-	-	-	-	4,040,000	4,040,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Old Gerault Road Reconstruction	-	370,000	-	-	-	-	1,200,000	1,570,000	1,570,000	8,2	-	-	-	-	-	-	-	-	-	-	-	-
Old Long Prairie Road Reconstruction **	1,100,000	-	-	-	-	-	-	1,100,000	1,100,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Timber Creek Road Reconstruction Phase II (5000 Timbercreek Rd. to Homestead St.) **	-	-	250,000	2,000,000	-	-	-	2,250,000	2,250,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Timber Creek Road Reconstruction Phase III (Homestead St. to Kirkpatrick Ln.) **	-	-	-	300,000	2,925,000	-	-	3,225,000	3,225,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Timber Creek Road Reconstruction Phase IV (Timber Creek Bridge to Eaton) **	-	-	-	-	-	-	3,600,000	3,600,000	3,600,000	8	-	-	-	-	-	-	-	-	-	-	-	-
West Windsor and Mulberry Connection **	100,000	-	-	-	-	-	-	100,000	100,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Woodbine Street Reconstruction (Timber Creek to Hieden Ct.) **	1,350,000	-	-	-	-	-	-	1,350,000	1,350,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Wood Creek Circle Reconstruction (Wood Creek Dr to end of Cul-de-Sac) **	-	-	400,000	-	-	-	-	400,000	400,000	8	-	-	-	-	-	-	-	-	-	-	-	-
Yucca Drive Reconstruction (Sagebrush to 700 ft South of FM 1171) **	1,300,000	-	-	-	-	-	-	1,300,000	1,300,000	8	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	\$ 3,850,000	\$ 5,420,000	\$ 4,000,000	\$ 2,300,000	\$ 3,275,000	\$ 2,300,000	\$ 7,144,000	\$ 28,289,000	\$ 28,289,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*General Obligation Bonds
** Project Includes ADA Improvements
Other Sources
0. Impact Fees
1. Grant and Interlocal Funds
2. Other Sources (Proj. Sav.,Fund Bal.,Interest Inc.)
3. Escrow
4. Decision Package
5. Developer Agreement(s)
6. Park Development Fund
7. Tax Increment Reinvestment Zone (TIRZ)
8. Dedicated Sales Tax
9. SH 121 Regional Toll Revenue (RTR)

TOWN OF FLOWER MOUND
SUMMARY OF FIVE YEAR CIP PLAN
FY 2018-2019
3/18/2019
Amendment 3

SIGNAL PROJECTS	PRIOR FISCAL YEARS	CONSTRUCTION SCHEDULE						TOTAL PROJECT COSTS	OTHER SOURCES	ISSUED DEBT GO's & CO's	AUTHORIZED UNISSUED GO's	NEW DEBT	DEBT SCHEDULE					
		2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2028						2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2028
College Parkway at Timber Creek	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	250,000	\$ 250,000	0,2,4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bruton Orand at Kenwood	-	-	-	-	-	-	250,000	250,000	250,000	0,2,4	-	-	-	-	-	-	-	-
Bruton Orand at Quail Run	-	-	-	-	-	-	250,000	250,000	250,000	0,2,4	-	-	-	-	-	-	-	-
FM 1171 at Canyon Falls Blvd	-	-	250,000	-	-	-	-	250,000	50,000	0,2	-	-	200,000	-	200,000	-	-	-
FM 2499 at College Parkway	340,000	-	-	-	-	-	-	340,000	340,000	0,2,7	-	-	-	-	-	-	-	-
FM 2499 at Silveron	240,000	-	-	-	-	-	-	240,000	240,000	0,2	-	-	-	-	-	-	-	-
FM 407 at Browning - Reconstruction	25,000	300,000	-	-	-	-	-	325,000	25,000	2,4	-	-	300,000	300,000	-	-	-	-
Garden Ridge at Forest Vista	-	-	-	-	-	-	250,000	250,000	250,000	0,2,4	-	-	-	-	-	-	-	-
Garden Ridge at Kirkpatrick	-	-	-	-	-	-	250,000	250,000	250,000	0,2,4	-	-	-	-	-	-	-	-
Lakeside at Silveron	-	-	-	-	-	-	250,000	250,000	250,000	0,2,4,5	-	-	-	-	-	-	-	-
Morriss at Eaton	-	-	-	250,000	-	-	-	250,000	250,000	2,4	-	-	-	-	-	-	-	-
Peters Colony at Churchill	-	-	-	-	-	-	250,000	250,000	250,000	0,2,4	-	-	-	-	-	-	-	-
Traffic Detection Rehabilitation	500,000	125,000	125,000	125,000	125,000	125,000	-	1,125,000	-	2	500,000	-	625,000	125,000	125,000	125,000	125,000	-
Traffic Signal Rehabilitation	-	-	-	-	-	-	500,000	500,000	-	2	-	-	500,000	-	-	-	-	500,000
U.S 377 at Canyon Falls Drive	275,000	-	-	-	-	-	-	275,000	275,000	0,2,4	-	-	-	-	-	-	-	-
SUBTOTAL	\$ 1,380,000	\$ 425,000	\$ 375,000	\$ 375,000	\$ 125,000	\$ 125,000	\$ 2,250,000	\$ 5,055,000	\$ 2,930,000	\$ 500,000	\$ -	\$ 1,625,000	\$ 425,000	\$ 325,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 500,000

*General Obligation Bonds
** Project Includes ADA Improvements
Other Sources
0. Impact Fees
1. Grant and Interlocal Funds
2. Other Sources (Proj. Sav.,Fund Bal.,Interest Inc.)
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TRANSPORTATION COMMISSION AGENDA ITEM NO. 4

WORK SESSION ITEM

DATE: April 9, 2019
FROM: Matthew J. Hotelling, P.E., PTOE, ADAC, Traffic Engineer
ITEM: **Review of the FM 2499 (Long Prairie Road) at Waketon Road Intersection Crash Data for 2018.**

BACKGROUND INFORMATION: During the January 2019, Transportation Commission (TRC) meeting work topics item, the Commissioners expressed a desire to review the intersection of FM 2499 at Waketon Road and the crash information at this intersection.

During the 2018 calendar year, the intersection of FM 2499 and Waketon Road saw an increase in crashes at this location. The crashes occurred for a variety of reasons but the most common reasons were:

1. Failure to Yield ROW – Turning Left,
2. Disregard Stop and Go Signal

Other minor causes for crashes at this intersection included:

1. Under Influence – Alcohol
2. Speeding – Over Limit; Unsafe Speed
3. Failure to Yield ROW – Turning Right

Out of the 10 crashes within the immediate intersection there were 5 Failure to Yield ROW – Turning Left and 5 Disregard Stop and Go Signal. Each crash can have multiple cause factors. As a result of the large percentage of red light running crashes, staff made a change to the amount of all red time at the intersection to help minimize this cause factor. Another change at this intersection was the addition of a near side signal head for the southbound direction. The near side signal head will allow southbound drivers additional time to see the status of the traffic signal as the approach the intersection.

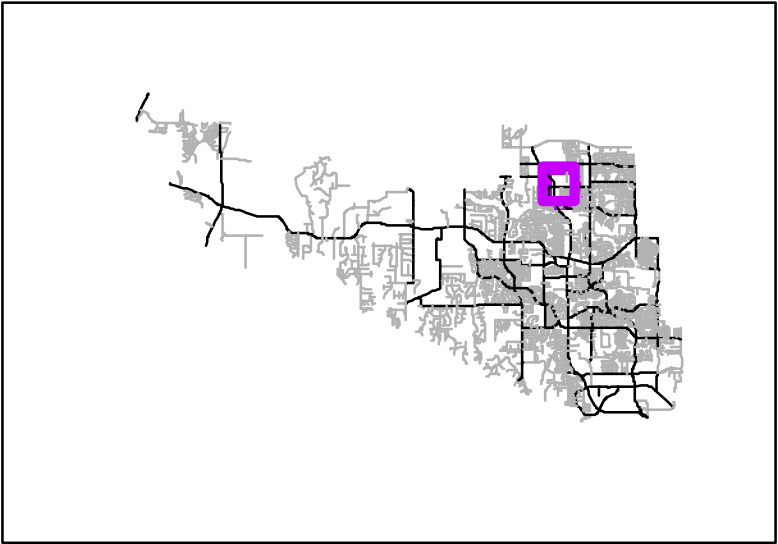
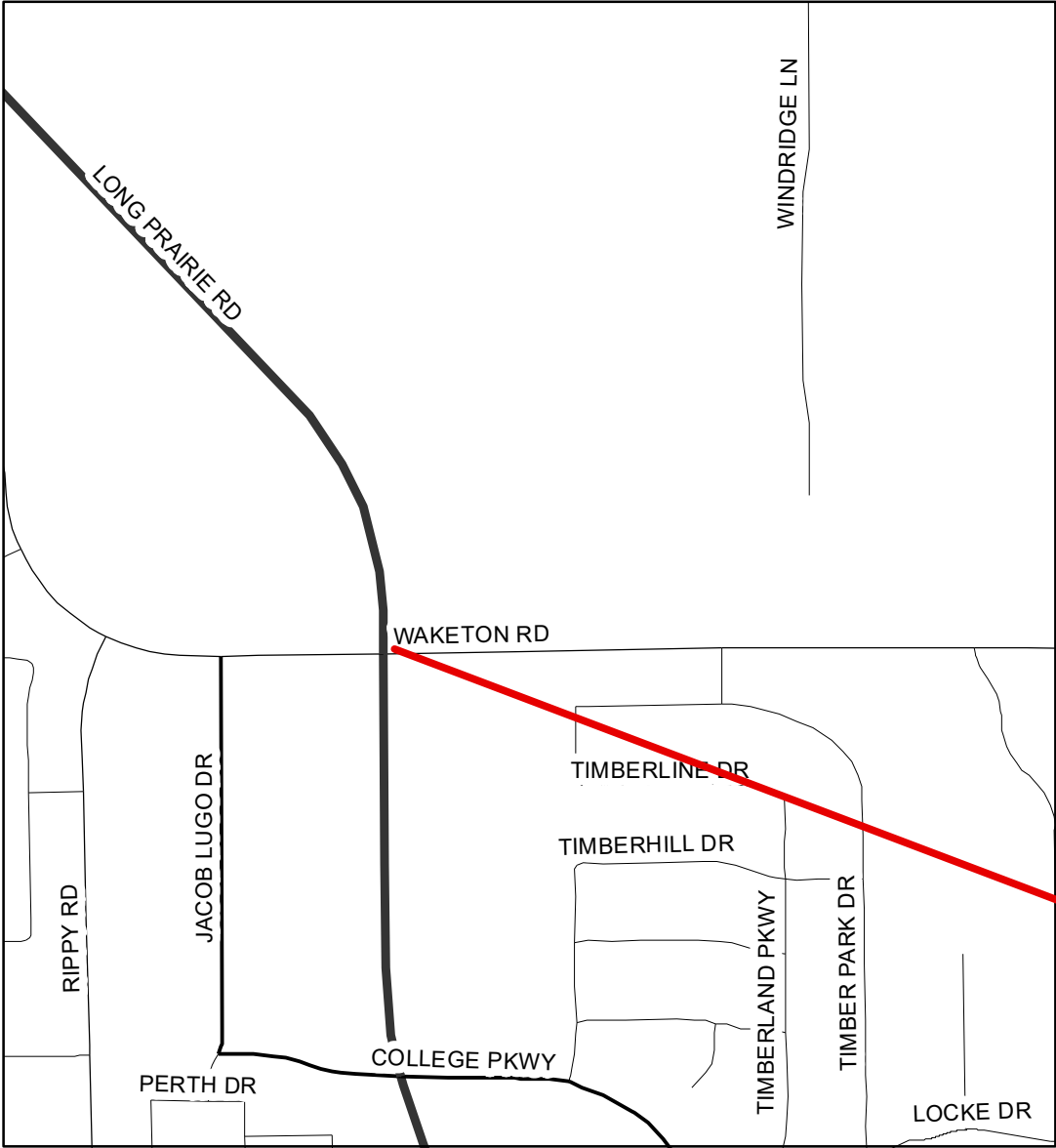
The 5 Failure to Yield ROW were concentrated in the northwest quadrant of the intersection. The amount of sight distance available at this intersection exceeds the minimum standards for stopping sight distance. The likely cause of drivers crashing in this corner is a misjudgment of speed as cars travel around the curve. All crashes occurred during the daylight hours and the pavement condition was dry. The times of the crashes were scattered throughout the day. There is not a sun glare issue as this location is oriented north and south. Inexperienced drivers is unlikely a cause as the youngest driver was 32 years old with the oldest driver being 82 years old involved in the failure to yield ROW crashes. As part of the FM 2499/Waketon Road intersection improvement project, the addition of a southbound right turn lane at this location is being considered. This will help drivers making the permissive left turn to more clearly see approaching vehicles from the southbound direction by removing a portion of the wall that is located on the west side of FM 2499. Furthermore, this intersection improvement project will improve the efficiency of this intersection thus allowing for more time to be given to the northbound and southbound left turns and creating less of a need for permissive left turns to be performed at this location. To date, there have not been any crashes of any type at this intersection in 2019 through March 15th at this intersection.

ATTACHMENTS:

1. Vicinity Map
2. Location of 2018 Crashes

RECOMMENDATION: The purpose of this item is to provide information to the Transportation Commission. No Formal Action is required.

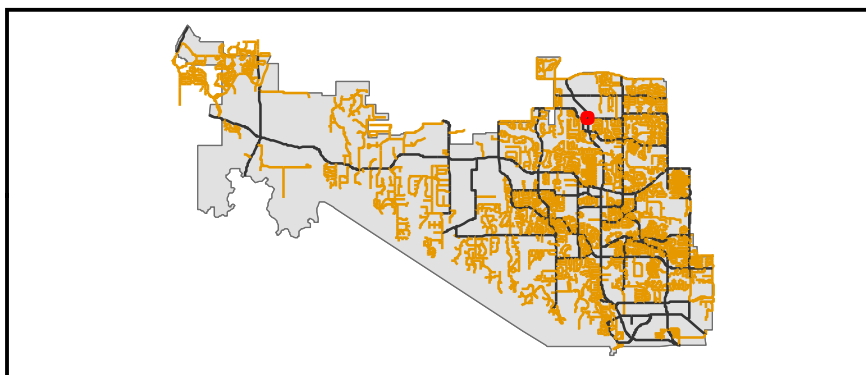
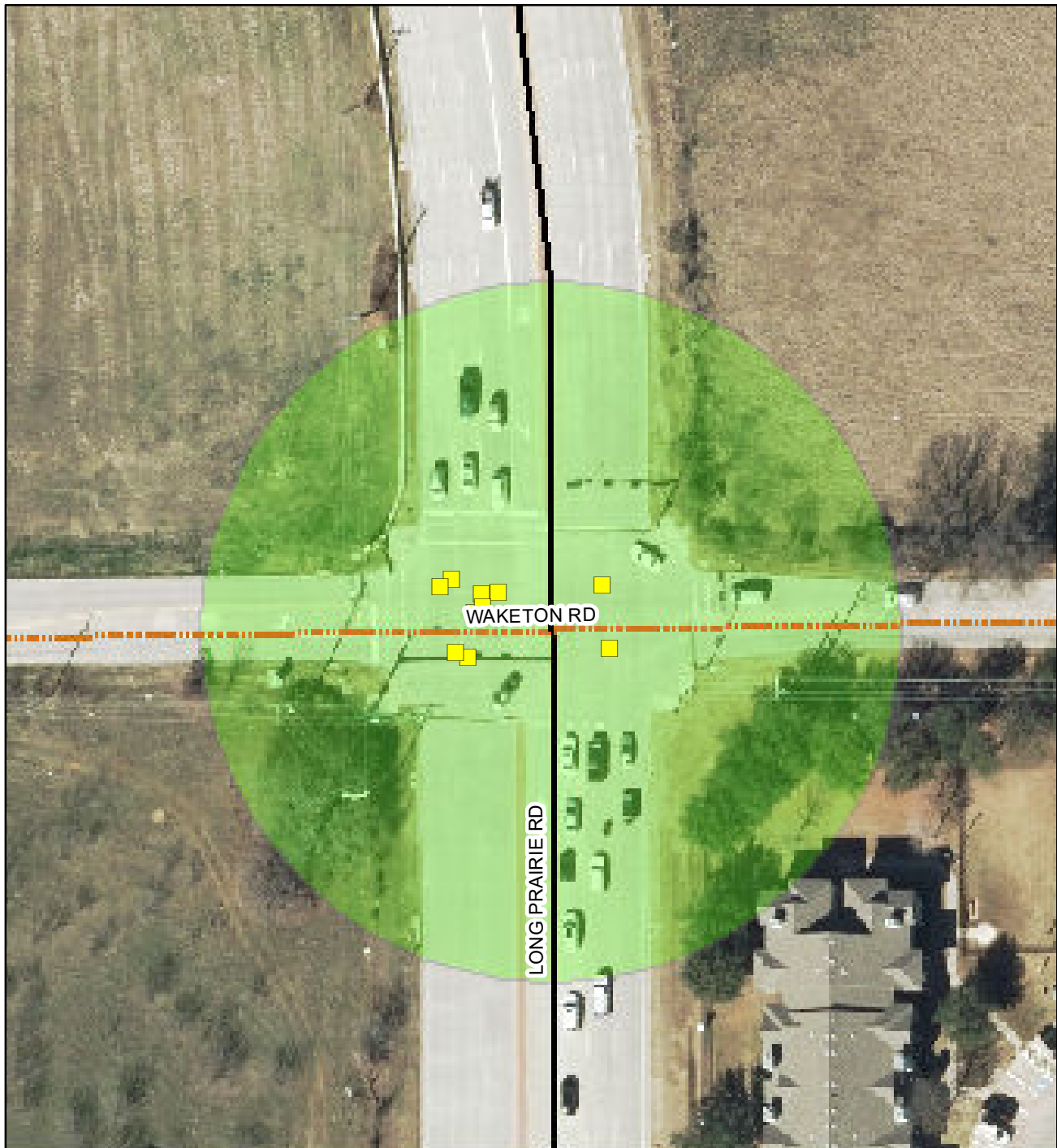
Vicinity Map - Intersection of FM 2499 at Waketon



Vicinity Map

Legend

Project
Location(s)



Legend

-  FM2499/Waketon Crash Locations