

AGENDA

TOWN OF FLOWER MOUND TRANSPORTATION COMMISSION MEETING

APRIL 10, 2018

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 6:30 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 A member of the Transportation Commission may request an item(s) be withdrawn from the consent agenda and moved to regular agenda for discussion by making such request prior to a motion and vote on the Consent Agenda.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 March 13, 2018.

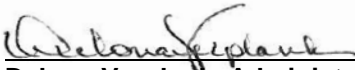
F. REGULAR ITEMS

2. Consider a recommendation regarding a Thoroughfare Plan Amendment for Morriss Road from Flower Mound Road (FM 3040) to Justin Road (FM 407) to the Town Council.
3. Consider a recommendation regarding roadway improvement options for Morriss Road Improvement Project, primarily between Flower Mound Road (FM 3040) to Cross Timbers Road (FM 1171), to the Town Council.
4. Consider a recommendation to staff for a proposed list of Proposed Sidewalk Links locations for inclusion in the FY2018-2019 Sidewalk Links Construction Project, through the Annual Budget process.
5. Consider a recommendation on a revision to the current FY2017-2018 Streetlight Installation project location list and to provide a list of proposed streetlight locations for installation through a FY2018-2019 Streetlight Installation Project to be added through the Annual Budget process 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: April 6, 2018 at 1:00 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: April 10, 2018

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 March 13, 2018.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the March 13, 2018 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 March 13, 2018 regular meeting of the Transportation Commission.

RECOMMENDATION: Move to approve the minutes from the March 13, 2018 regular meeting of the Transportation Commission.

THE FLOWER MOUND TRANSPORTATION COMMISSION REGULAR MEETING HELD ON THE 13TH DAY OF MARCH, 2018 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:

Thomas Walker	Chair
Ron Hogue	Commissioner, Place 3
Brian Smiley	Commissioner, Place 4
Donald Gilmore	Commissioner, Place 5
Ed Horne	Commissioner, Place 8

Constituting a quorum with the following members absent:

Chris Reed	Vice Chair
Robert Gunter	Commissioner, Place 1
Robert Caput	Commissioner, Place 2
Drew Larson	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 TO ORDER - REGULAR SESSION – 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
- North Texas Airbag Recall Coalition Partnership item scheduled for March 19 Town Council meeting
- Joint work session with Town Council scheduled for March 27
- Future Transportation Commission meeting dates

E. CONSENT ITEMS

1. Consider approval of minutes from the regular meeting of the Transportation Commission held on February 13, 2018.

Commissioner Gilmore made a motion to approve the February 13, 2018 minutes as presented. Commissioner Hogue seconded the motion.

VOTE ON THE MOTION*Motion passed*

AYES: Horne, Smiley, Hogue, Gilmore

NAYS: None

ABSTAIN: None

ABSENT: Reed, Gunter, Caput, Larson

F. WORK SESSION ITEMS

2. Update and progress on the prior years sidewalk links projects – 2018.

Presenter

Matt Hotelling, Traffic Engineer

3. Neighborhood Traffic Management Program – Surrey Lane.

Presenter

Matt Hotelling, Traffic Engineer

4. Capital Improvement Projects Review for Streets, Street Reconstruction and Traffic Signals for FY 18-19.

Presenter

Matt Hotelling, Traffic Engineer

G. ADJOURNMENT – 8:06 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 10, 2018

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

ITEM: Consider a recommendation regarding a Thoroughfare Plan Amendment for Morriss Road from Flower Mound Road (FM 3040) to Justin Road (FM 407) to the Town Council.

BACKGROUND INFORMATION: This item is to consider changes to the Master Transportation Plan, more specifically the Thoroughfare Plan regarding Morriss Road between Flower Mound Road (FM 3040) and Justin Road (FM 407). A copy of the existing Thoroughfare Plan is included as Attachment 1. Morriss Road as it is currently built resembles a Greenway Urban Arterial and is designated as a Major Arterial on the current Thoroughfare Plan.

At the February 5, 2018, Town Council meeting, the direction from the Council was for the Transportation Commission to study the need for Morriss from FM 3040 to FM 407 to be a Major Arterial street. The agenda packet and video from this meeting can be found at the following links:

- Agenda Item, <http://www.flower-mound.com/ArchiveCenter/ViewFile/Item/4005>
- Video, <http://flowermoundtx.swagit.com/play/02052018-1085>

Results of the Town Council meeting were unanimous that the Council was not interested in building Morriss Road to its current Thoroughfare Plan cross section (6 lane divided arterial). The Town Council voted to keep Morriss Road as a 4 lane divided roadway. Discussion amongst the Council was to change it to one of the 4 lane arterial cross sections and asked the Transportation Commission to study Morriss Road and to give their recommendation.

At the March 27, 2017, Joint Work Session between the Town Council and the Transportation Commission, Town Council provided direction to the Transportation Commission regarding Morriss Road. The video from this Joint Work Session can be found at the following link.

- Video, <http://flowermoundtx.swagit.com/play/03272018-1379>

The purpose of this item is to discuss the appropriate Thoroughfare Cross Section for Morriss Road.

ALTERNATIVES/OPTIONS: Leave Morriss Road as is, change to a Greenway Urban Arterial or as one of the Urban Minor Arterials.

FISCAL IMPACT: N/A

LEGAL REVIEW: N/A

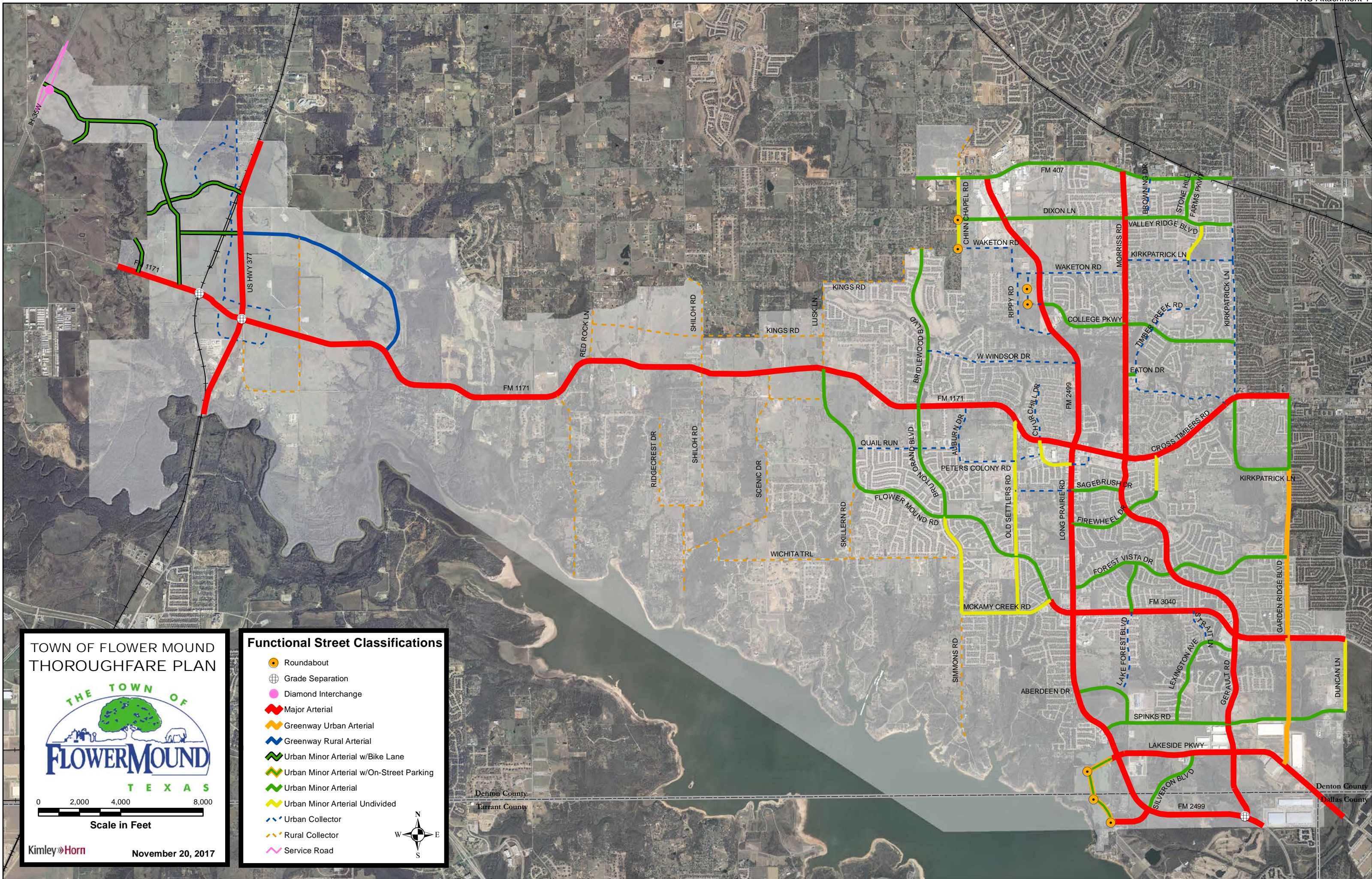
ATTACHMENTS:

1. Existing Thoroughfare Plan

DRAFT RECOMMENDATIONS: Move to recommend that Morriss Road from Flower Mound Road (FM 3040) to Justin Road (FM 407) be changed to an Urban Minor Arterial (*specify type*) on the Thoroughfare Plan to the Town Council.

Move to recommend that Morriss Road from Flower Mound Road (FM 3040) to Justin Road (FM 407) remain as currently shown on the Thoroughfare Plan to the Town Council.

Move to recommend that Morriss Road from Flower Mound Road (FM 3040) to Justin Road (FM 407) be changed to a Greenway Urban Arterial on the Thoroughfare Plan to the Town Council.



TOWN OF FLOWER MOUND THOROUGHFARE PLAN



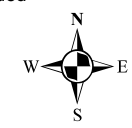
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Scale in Feet

KimleyHorn November 20, 2017

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



TRANSPORTATION COMMISSION AGENDA ITEM NO. 3

REGULAR ITEM

- DATE:** April 10, 2018
- FROM:** Matthew J. Hotelling, P.E., PTOE, Traffic Engineer
- ITEM:** **Consider a recommendation regarding roadway improvement options for Morriss Road Improvement Project, primarily between Flower Mound Road (FM 3040) to Cross Timbers Road (FM 1171), to the Town Council.**
-

BACKGROUND INFORMATION: This item is to consider various roadway options regarding improvements to Morriss Road, primarily between Flower Mound Road (FM 3040) and Cross Timbers Road (FM 1171).

At the March 27, 2017, Joint Work Session between the Town Council and the Transportation Commission, additional roadway improvements were brought forward by the citizen task force, Town Council and staff. At the request of the citizen task force, their presentation regarding Morriss Road was forwarded to the Transportation Commission for review. Video of the items discussed by all parties at the Joint Work Session can be found at the following link.

- Video, <http://flowermoundtx.swagit.com/play/03272018-1379>

The Morriss Road Improvement project has been broken down into a base project and possible added optional improvements. The list of added optional improvements presented by staff at the Joint Work Session is included as Attachment 1.

The base project for the Morriss Improvement Project is as follows:

- Panel Replacement
 - Flower Mound Road (FM 3040) to Garden Road
 - Garden Road to Firewheel Drive
- Water Line Replacement
 - Forest Vista Drive to Garden Road
- Americans with Disability Act (ADA) Improvements
 - Flower Mound Road (FM 3040) to Garden Road
 - Garden Road to Firewheel Drive

The limits of the Panel Replacement portion of the project are dependent on the amount of funds available in the Dedicated Sales Tax Street Reconstruction funds. If all funds are expended on Morriss Road, it will limit what can be done in other areas of town. It is estimated that approximately 50% of the panels are in need of replacement and are not necessarily contiguous to each other.

The water line replacement portion of the project provides for replacement of the existing deteriorating water line from Forest Vista Drive to Garden Road.

The ADA improvements are taken from the Town's ADA Transition Plan as locations identified during the self-evaluation process. These corrections are required to bring the Town into compliance with the ADA. These improvements include existing slope issues, obstructions and other ADA related items.

ALTERNATIVES/OPTIONS: Proceed only with base project or recommend additional options to the base project to be included as part of the improvement project.

FISCAL IMPACT: Decisions made will affect the Capital Improvement Program and amount of potential future debt needed to cover costs.

LEGAL REVIEW: N/A

ATTACHMENTS:

1. List of Additional Optional Improvements

DRAFT RECOMMENDATIONS: Move to recommend the following list of options (*specify list*) be added to the base project of the Morriss Road Improvement Project to the Town Council.

List of possible Project Options

A, B and C are the base project items.

Project Option	Morriss Roadway Improvement Project Additional Options
D	12-ft Lanes - FM 3040 to FM 1171
E	12-ft Lanes with Bike Lane - FM 3040 to FM 1171
F	Fuqua and FMS Right Turn Lane
G	FM 3040 Intersection Improvements
H	Crosswalk - New Striping Pattern
I	Crosswalk - Upgraded Material
J	Crosswalk - Stamped Concrete
K	Crosswalk - Flashing
L	Forestwood Middle School Crosswalk at Garden
M	Garden Intersection
N	Garden @ Firewheel - 3-Way Stop
O	Extended School Zones
P	Extend SB Left Turn Lane at Forest Vista
Q	Extend SB Left Turn Lane at Garden
R	Restripe FM 3040 to FM 407
S	Warning Signs at Curves
T	Dynamic Speed Limit Signs
U	North of 1171 - Kirkpatrick Crosswalk
V	North of 1171 - Eaton Crosswalk
W	North of 1171 - Valley Ridge Intersection



TRANSPORTATION COMMISSION AGENDA ITEM NO. 4

REGULAR ITEM

DATE: April 10, 2018

FROM: Doug Stevens, Assistant Director of Public Works

ITEM: Consider a recommendation to staff for a proposed list of Proposed Sidewalk Links locations for inclusion in the FY2018-2019 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 FY2018-2019 budget year with a proposed expenditure of \$150,000.00. Attachments 1 and 2 contain 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. FY2018-2019 Remaining Sidewalk Links List

RECOMMENDATION: Move to recommend to staff a proposed list of Proposed Sidewalk Links locations for inclusion in the FY2018-2019 Sidewalk Links Construction Project, through the Annual Budget process.

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

- Major Challenges
- Minor-Neutral Scope
- Viable Routes

<u>Location</u>	Length (ft)	Width (ft)	# of Ramps	Estimated Cost	Status
<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	
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>	Length (ft)	Width (ft)	# of Ramps	Estimated Cost	Status
<u>Churchill Drive</u>					
west side, 1st drive s/o FM 1171 to FM 1171	185	8	0	\$ 26,917.50	<i>CLA - Development (abandonment)</i>
<u>Simmons Road</u>					
West side, Hillsdale Dr to Wichita Trail	465	5	1	\$ 46,352.00	<i>(Red Hawk Addn)</i>
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 Cemetary 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. 5

REGULAR ITEM

DATE: April 10, 2018

FROM: Tiffany Bruce, P.E., CIP Engineering Manager

ITEM: Consider a recommendation on a revision to the current FY2017-2018 Streetlight Installation project location list and to provide a list of proposed streetlight locations for installation through a FY2018-2019 Streetlight Installation Project to be added through the Annual Budget process to the Town Council.

BACKGROUND INFORMATION: As part of the Road Safety Enhancement Program, better visibility on roadways at night was discussed as a priority. Staff was asked to present proposed locations that would allow for installation of streetlights in order to provide increased lighting and improved visibility at night.

The current fiscal year provides funding for a streetlight installation project that includes locations previously selected by resident and council requests. Staff is seeking a recommendation from the Transportation Commission on a revision to that current list of projects and to provide a list of streetlight locations to be installed in the FY2018-2019 budget year with a proposed Streetlight Installation project with an expenditure of \$100,000.00.

ATTACHMENTS:

1. FY2017-2018 Current List of Streetlight Locations
2. FY2017-2018 Revised List of Streetlight Locations
3. FY2018-2019 Proposed List of Streetlight Locations

RECOMMENDATION: Move to recommend the following revision: substitute Big Canyon Drive/Morris Road location for the current Aberdeen Drive/Spinks Road duplicate location, to the current FY2017-2018 Streetlight Installation project location list and to recommend a proposed list of streetlight locations, FY2018-2019 Proposed List of Streetlight Locations, for installation through a FY2018-2019 Streetlight Installation Project to be added through the Annual Budget process to the Town Council.

FY2017-2018
Current List of Streetlight Locations

LOCATION	NO. OF LIGHTS
Morriss Road at Forestwood Middle School	3
Forest Vista Drive at Garden Ridge	2
Forest Vista Drive at Forest Vista Elementary	4
Aberdeen Drive at Shadow Ridge Middle School	4
Spinks Road at Bluebonnet Elementary	3
(Possible elimination of 1 light to be completed with Aberdeen Drive)	
One Place at Timber Creek Drive	1

FY2017-2018
Revised List of Streetlight Locations

LOCATION	NO. OF LIGHTS
Morriss Road at Forestwood Middle School	3
Forest Vista Drive at Garden Ridge	2
Forest Vista Drive at Forest Vista Elementary	4
Aberdeen Drive at Shadow Ridge Middle School	4
Spinks Road at Bluebonnet Elementary	2
(Elimination of 1 light to be completed with Aberdeen Drive)	
One Place at Timber Creek Drive	1
Big Canyon Drive at Morriss Road	1

FY2018-2019
Proposed List of Streetlight Locations

Morriss Road at Lexington

Morriss Road at Lake Bluff Drive

Morriss Road at Ponderosa Pine Drive

Morriss Road at Cortadera Street

Morriss Road at Homestead Street

Morriss Road at Kirkpatrick Lane

Morriss Road at Waterford Drive