

AGENDA

TOWN OF FLOWER MOUND TRANSPORTATION COMMISSION MEETING

11/09/2021

**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
- 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
- Future Transportation Commission meeting dates
 - December 14, 2021
- 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.

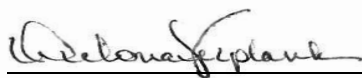
1. Minutes 10/12- Consider approval of the minutes from a regular meeting of the Transportation Commission held on October 12, 2021.

F. WORKSESSION ITEMS

2. Discussion regarding Adaptive Signal Control and location for simulation project for 2021.

G. 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: November 5, 2021 at 11:30 AM, at least 72 hours prior to the scheduled time of said meeting.



Delona Verplank, Executive Assistant

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 Delona Verplank at 972-874-6402.



TRANSPORTATION COMMISSION AGENDA ITEM NO. 1

CONSENT ITEM

DATE: November 9, 2021

FROM: Delona Verplank, Public Works Executive Assistant

ITEM: Consider approval of the minutes from the regular meeting of the Transportation Commission held on October 12, 2021.

BACKGROUND INFORMATION: This agenda item is to consider approval of the minutes from the October 12, 2021 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 10.12

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

THE FLOWER MOUND TRANSPORTATION COMMISSION REGULAR MEETING HELD ON THE 12TH DAY OF OCTOBER, 2021 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:

Bjorn Vandug	Commissioner, Place 1
Brian Taylor	Commissioner, Place 2
Ron Hogue	Commissioner, Place 3
Scott Jostes	Commissioner, Place 4
Cheryl Moore	Commissioner, Place 5
Chris Reed	Commissioner, Place 6
Charlie Landry	Commissioner, Place 7
Michelle Jackson	Commissioner, Place 8
Louis Viscusi	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	Executive Assistant

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

B. PLEDGE OF ALLEGIANCE

C. PUBLIC PARTICIPATION

None

D. TRAFFIC ENGINEER REPORT

- Bike and Trails Master Plan Steering Committee update
- Update status report related to operational issues, capital improvement projects, and TxDOT projects
- Commission orientation
- Townwide 25 speed limit update
- Online government training reminder
- Future Transportation Commission meeting dates
 - November 9, 2021
- Future agenda items

E. COMMISSION MEMBER INTRODUCTIONS

Bjorn Vandug – Place 1

Brian Taylor– Place 2

Ron Hogue – Place 3

Scott Jostes– Place 4

Cheryl Moore – Place 5

Chris Reed – Place 6

Charlie Landry – Place 7

Michelle Jackson – Alternate Place 8

Louis Viscusi – Alternate Place 9

F. ELECTIONS

i) Chair

Commissioner Taylor nominated Commissioner Reed for Chair. Commissioner Hogue seconded the nomination.

VOTE ON THE NOMINATION

Nomination passed (7-0)

AYES: Vandug, Taylor, Hogue, Reed, Jostes, Moore, Landry

NAYES: None

ii) Vice Chair

Commissioner Hogue nominated Commissioner Taylor for Vice Chair. Commissioner Vandug seconded the nomination.

VOTE ON THE NOMINATION

Nomination passed (6-0)

AYES: Landry, Moore, Jostes, Hogue, Taylor, Vandug

NAYES: None

G. CONSENT ITEMS

1. Consider approval of minutes from the regular meeting of the Transportation Commission held on July 13, 2021.

Commissioner Landry made a motion to approve Consent Item 1 as presented in the agenda caption identified above. Commissioner Moore seconded the motion.

VOTE ON THE MOTION*Motion passed (6-0)***AYES:** Vandug, Taylor, Hogue, Jostes, Moore, Landry**NAYES:** None**H. REGULAR ITEMS**

2. Consider the retention of Stephen Harris as the Transportation Commission representative to serve on the Parks Steering Committee for Ad Hoc Steering Committee for the Trails and Bikeways Master Plan.

Staff Presentation

Matthew Hotelling, Traffic Engineer

Commission Deliberation

Commissioner Jostes made a motion to recommend approval as presented in the agenda caption identified above. Commissioner Vandug seconded the motion.

VOTE ON THE MOTION*Motion passed (6-0)***AYES:** Landry, Moore, Jostes, Hogue, Taylor, Vandug**NAYES:** None

3. Consider an Appointment of a Transportation Commissioner to be a member of the ADA Transition Plan Committee.

Staff Presentation

Matthew Hotelling, Traffic Engineer

Commission Deliberation

Commissioner Landry made a motion to recommend Commission Moore to serve as a member of the ADA Transition Plan Committed. Commissioner Hogue seconded the motion.

VOTE ON THE MOTION*Motion passed (6-0)***AYES:** Vandug, Taylor, Hogue, Jostes, Moore, Landry**NAYES:** None

I. **ADJOURNMENT – 7:54 P.M.**

TOWN OF FLOWER MOUND
TRANSPORTATION COMMISSION

CHRIS REED, CHAIR

ATTEST:

DELONA VERPLANK, EXECUTIVE ASSISTANT

DRAFT



TRANSPORTATION COMMISSION AGENDA ITEM NO. 2

WORK SESSION ITEM

DATE: November 9, 2021

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

ITEM: Discussion regarding Adaptive Signal Control and location for simulation project for 2021.

BACKGROUND INFORMATION: In February of 2019, the Transportation Commission (TRC) had a work session regarding the adaptive signal control called Synchro Green from the representatives of Cubic/Trafficware. Cubic is the manufacturer of the Town's traffic signal controllers and the central system software called ATMS.now. That presentation from Cubic can be found under item G3 at the following link: <https://flowermoundtx.swagit.com/play/02122019-1724>.

During the budget year preparations for the current fiscal year, FY21/22, the decision was made to request for funds to conduct a simulation of up to 10 signalized locations to determine the benefits of running Synchro Green at those locations. This request was approved through the budget process. As part of that request, the Town suggested the following locations: The FM 407 corridor and the Morriss corridor down to the Buckeye Drive/1st Avenue intersection.

This simulation will help the Town determine whether or not implementing Synchro Green is worth the initial and ongoing cost. The last check on the cost of Synchro Green was in the range of \$20,000 per intersection initially and an ongoing annual cost is between \$5,000 and \$7,000 per intersection. There is also an additional investment that would need to be made to upgrade the ATMS.now software and an increase in the ongoing annual maintenance cost of ATMS.now.

As is well known, the Dallas-Fort Worth area continues to grow and the region cannot build itself out of congestion. Adaptive signal timing can be one of those tools in the toolbox that can help with that congestion up to a point. Once a corridor becomes congested to the point where the level of service (LOS) falls to a LOS of E or F, the benefits of adaptive may become much less. One of the ways adaptive signal control works, is that it increases the amount of delay that each of the side streets along the corridor must endure. Some of the early adaptive systems took this to an extreme where they would actually skip side streets and not serve them to keep the main street going. Synchro Green and other adaptive signal systems such as Edaptive, nowadays, allows for a system that can be forced to not skip side streets. The typical application of adaptive systems does not allow for large swings in the timing plan between cycles. This change is a setting that is able to be set by staff. This method of adaptive allows for better control but still requires the corridor to have a base timing plan that is updated for the corridor to start from. As such, the Town as part of this project will collect data to provide Cubic with the latest traffic counts and will update the signal timing plan along these two corridors. This collection of data and timing plans will continue into the future independent of whether or not adaptive signal control is implemented.

ATTACHMENTS:

N/A

DRAFT MOTION: The purpose of this item is for discussion and feedback from the Commission. No Formal Action is required.