

To: Samira Shalan, P.E.
Development Services
City of Plantation

From: J. Suzanne Danielsen, P.E.

xc: David Schneider

Date: October 1, 2021

**Re: 8601 W. Sunrise Boulevard – Plantation, Florida
Traffic Study**

On September 22, 2021 comments specific to the 8601 W. Sunrise Boulevard traffic study (dated May 2021) prepared by DC Engineers, Inc. on behalf of FIFTEEN GROUP were provided. The following is a restatement of each review comment with a corresponding response prepared by staff of DC Engineers, Inc.

1. Traffic Study did not clearly address the adequacy of the existing (West and East) bound turn lanes on Sunrise Boulevard. Please clarify the adequacy of the storage and taper length to support the additional traffic flow to the proposed development.

Turn lane storage lengths and expected queues at project driveways are detailed below.

West Driveway:

- **WB right turn storage measured at 200 feet. No queue expected as vehicles enter the project site unimpeded.**

East Driveway:

- **WB right turn storage measured at 175 feet. No queue expected as vehicles enter the project site unimpeded.**
- **EB left turn storage measured at 115 feet. 95th percentile queue length estimated at one (1) vehicle during both AM and PM peak hours.**

Queue lengths are calculated within the Synchro analysis included as Appendix I of the Traffic Study.

2. Broward County Bus Stop # 3549 is located on Sunrise Boulevard just at the entrance of the proposed development. Please clarify if any improvement to the bus stop is warranted to support the proposed development.

See attached letter from Noemi Hew of the Transportation Department, Capital Programs Division of Broward County.

3. Broward County Elementary School (Horizon Elementary School) is located on Pine Island Road just west of the proposed development. Traffic study should clarify the impact (if any) on the traffic flow on Pine Island Road especially at the arrival and dismissal time of the school with the proposed development traffic added.

Pine Island Road adjacent to Horizon Elementary School is a six (6) lane divided facility with a posted speed limit of 45 miles per hour (mph). According to Broward County, Pine Island Road has a peak hour capacity of 5,121 vehicles per hour (vph). As the proposed project is expected to place 59 vph and 65 vph on Pine Island Road north of W. Sunrise Boulevard during the AM and PM peak hour respectively, the expected impact is minimal at 1.15 percent of LOS 'D' during the AM peak hour and 1.27 percent during the PM peak hour.



Transportation Department

CAPITAL PROGRAMS DIVISION

1 N. University Drive, Suite 3100A • Plantation, Florida 33324 • 954-357-8300 • FAX 954-357-8305

Date: September 30, 2021

To: J. Suzanne Danielsen, P.E.
DC Engineers

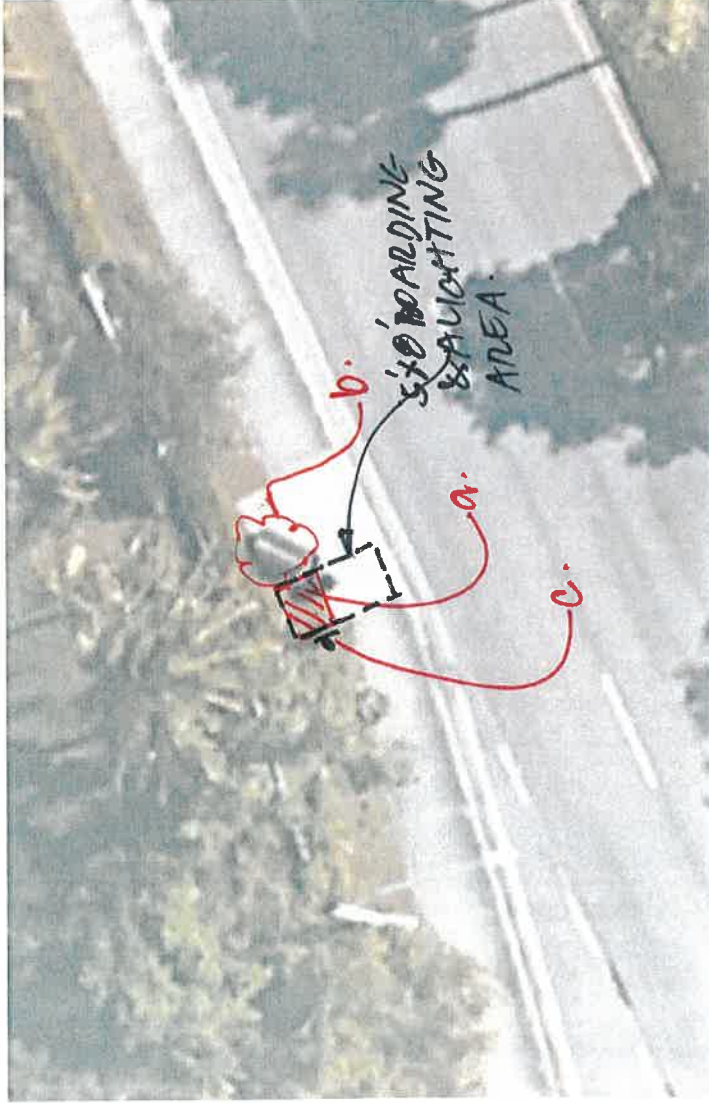
From: Noemi Hew *Noemi Hew*
Capital Programs Division, Transportation Department

Subject: ATT Plantation, 8601 W. Sunrise Blvd., Plantation, FL

Broward County Transportation Department, Capital Programs Division staff has reviewed the Survey dated 01/06/2020 and Site Plan for 8601 Sunrise Blvd., Plantation Florida dated 04/27/2020 and offers the following:

- ❖ The site is served by Broward County Transit (BCT) Route 36 on Sunrise Boulevard and an existing westbound bus stop with ID #3549.
- ❖ The existing westbound bus stop ID# 3549 on Sunrise Blvd. needs the following improvements to make it ADA accessible:
 - a. Construct ± 5' wide x 2' long concrete pad (align the edges to existing sidewalk and bench pad) to provide for a 5' W x 8' L ADA boarding and alighting area.
 - b. Move bench and trash can east to clear the 5' x 8' ADA boarding and alighting area.
 - c. Relocate bus stop sign and post west of the concrete pad.
- ❖ At the completion of the improvement, contact BCT for approval.
- ❖ Please see attached for clarification.

If you should have any questions, please contact Noemi Hew nhew@broward.org (954) 357-8380 or Kurt Petgrave kpgrave@broward.org (954) 357-6793.



Improvements Required:

- a. Construct \pm 5' wide x 2' long concrete pad (align the edges to existing sidewalk and bench pad) to provide for a 5' W x 8' L ADA boarding and alighting area.
- b. Move bench and trash can east to clear the 5' x 8' ADA boarding and alighting area.
- c. Relocate bus stop sign and post west of the concrete pad.