

3 November 2021

Bradford H. Wainman
H-M Realty, LLC
P.O. Box 504
South Glastonbury, CT 06073

**Re: Traffic Information Supplement
Proposed Warehouse
25 Talbot Lane, South Windsor, CT
Langan Project No.: 140236601
Town Process No.: 21-36P**

Dear Mr. Wainman:

Langan prepared this letter to address comments raised by Planning & Zoning Commission members and the public's mischaracterization of the traffic related facts of this application during the public hearing process.

OSTA Review and Approval

The Office of the State Traffic Administration (OSTA) has reviewed and approved the traffic study for the proposed development under Application No. AD-132-2108-02. Their review indicates that OSTA agrees with the methodology and assessment of the traffic study and determination that the existing roadway infrastructure is adequate to support the nominal increase in traffic volume generated by the proposed warehouse development.

Governors Highway

- Functional Classification: Governors Highway is classified as a major collector roadway and it connects two state roadways, Route 5 (John Fitch Boulevard) and Route 30 (Ellington Road), both classified as principal arterials.
- Roadway Improvements: We reviewed the Town's pavement restoration program and found that Governors Highway from Route 5 to just west of Talbot Lane was resurfaced in 2019 to support the industrial developments within this area.
- Signal Timing: Current signal timing at the Governors Highway approach is 31 seconds (25.1 seconds of green and clearance of 5.9 seconds). Optimization can be conducted at the intersection to increase the approach signal timing to 34 seconds without impacting the traffic along Route 5.

Trip Generation

Based on the Institute of Traffic Engineers Trip Generation Manual Land Use Code 156, it is anticipated that the development will have 105 trucks entering the site and 104 trucks exiting the site during the entire day. The table below illustrates the passenger vehicle and truck trip generation, for both the average day and the roadway peak hours, anticipated for the development.

TABLE 1 - ANTICIPATED TRIP GENERATION – 25 TALBOT LANE WAREHOUSE									
USE	LAND USE CODE ¹	VEHICLE TYPE	DAILY	AM PEAK HOUR			PM PEAK HOUR		
				ENTER	EXIT	TOTAL	ENTER	EXIT	TOTAL
High-Cube Parcel Hub Warehouse (360,000 SF)	156	PV	1,458	122	121	243	157	74	231
		Trucks	209	16	16	32	15	7	22
		Total	1,667	138	137	275	172	81	253

¹ Land Use Codes and Volumes based on ITE Trip Generation Manual 10th Edition. LUC 156: High-Cube Parcel Hub Warehouse.

School Bus Routes

Based on the available bus routes/stops obtained from the Town, it appears that based on the obtained routes, five (5) buses travel through Governor's Highway to pick-up/drop-off students but only one of the buses travels along the project's site while picking up and dropping off students.


Crash Data

We reviewed UCONN crash repository and due to the input formatting it was found that there were nine accidents during the three year period between January 2018 and December 2020, for the Route 5/Governors Highway intersection. The South Windsor police made us aware of a fatality over the last year at this location, however this accident was related to a DUI.

If you have any questions please do not hesitate to contact us directly at 954-320-2155.

Sincerely,

Langan Engineering and Environmental Services, Inc.


John D. Plante, P.E.
Managing Principal



Maximo Polanco, P.E.
Project Engineer

MGP:mgp