



TMS Engineers, Inc.

Transportation Management Services

2112 Case Parkway South, #7 • Twinsburg, Ohio 44087

www.TMSEngineers.com

March 10, 2025

Dr. Daniel Bestic
Veterinary Center of Hudson
5980 Darrow Road
Hudson, Ohio 44036

**Re: Proposed Daycare, Boarding, & Grooming Center
Hudson, Ohio
Trip Generation Analysis**

Dear Dr. Bestic:

TMS Engineers, Inc. has performed the following trip generation analysis for the proposed daycare, boarding, and grooming center in Hudson, Summit County, Ohio. The proposed development will be located on the west side of Prospect Street across from the Hunting Hollow Drive intersection. (See **Location Map, Figure 1**).

The purpose of the trip generation analyses is to estimate the traffic that will be generated by the daycare, boarding and grooming center. The site plan can be seen in **Figure 2**. The following are the results of our trip generation analysis.

SITE GENERATED TRAFFIC

Calculating future total driveway trips requires an estimate of the traffic generated by the development. The most widely accepted method of determining the amount of traffic that the development will generate is to compare the proposed land use with existing facilities of the same use. The Institute of Transportation Engineers (ITE) has prepared a manual titled "**Trip Generation Manual**". The ITE Trip Generation Manual does not provide a comparable land use for a boarding and grooming center. Therefore, data collected from the existing site will be utilized to calculate the future site generated traffic at the new proposed site. The existing count data was collected from the beginning of 2025 and was summarized and provided to TMS Engineers, Inc. The data is attached to this document in **Appendix A**.

PROPOSED TRIP GENERATION CALCULATIONS

The following table shows the highest AM and PM peak hour trip generation for the proposed site.

NEW TRIP GENERATION

DESCRIPTION	TRIP ENDS			
	Weekday AM Peak Hour of Adjacent Streets (Enter/Exit)		Weekday PM Peak Hour of Adjacent Streets (Enter/Exit)	
Boarding & Grooming Center	21	1	1	8
	22		9	

The table shows that the proposed development is expected to generate a total of 22 trips in the AM peak hour and 9 trips in the PM peak hour.

Traffic impact studies are recommended to be performed by the **Institute of Transportation Engineers** whenever an increase in trips in any peak hour is greater than 100 trips per hour. This recommendation is made because this is the point where a change in roadway capacity may be found and mitigation may or may not be needed. The anticipated generated volumes from this development are less than 100 trips in either peak hours so additional traffic analyses would not be recommended based on the ITE thresholds.

The Ohio Department of Transportation concedes that traffic studies are only necessary when the resulting trip increase is more than 60 trips in either of the peak hours. This is stated in their **State Highway Access Management Manual**. Since the proposed development is expected to generate less than 60 trips, it is our professional opinion that the change in the amount of generated traffic will **not** have an impact on the surrounding roadway network nor require a traffic analyses.

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If you have any questions or need additional information, please do not hesitate to contact me.

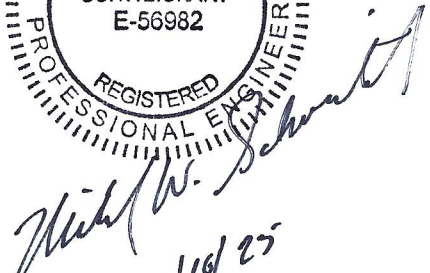
Very truly yours,

TMS Engineers, Inc.



Michael W. Schweickart, P.E., PTOE
President

enclosures



3/16/25

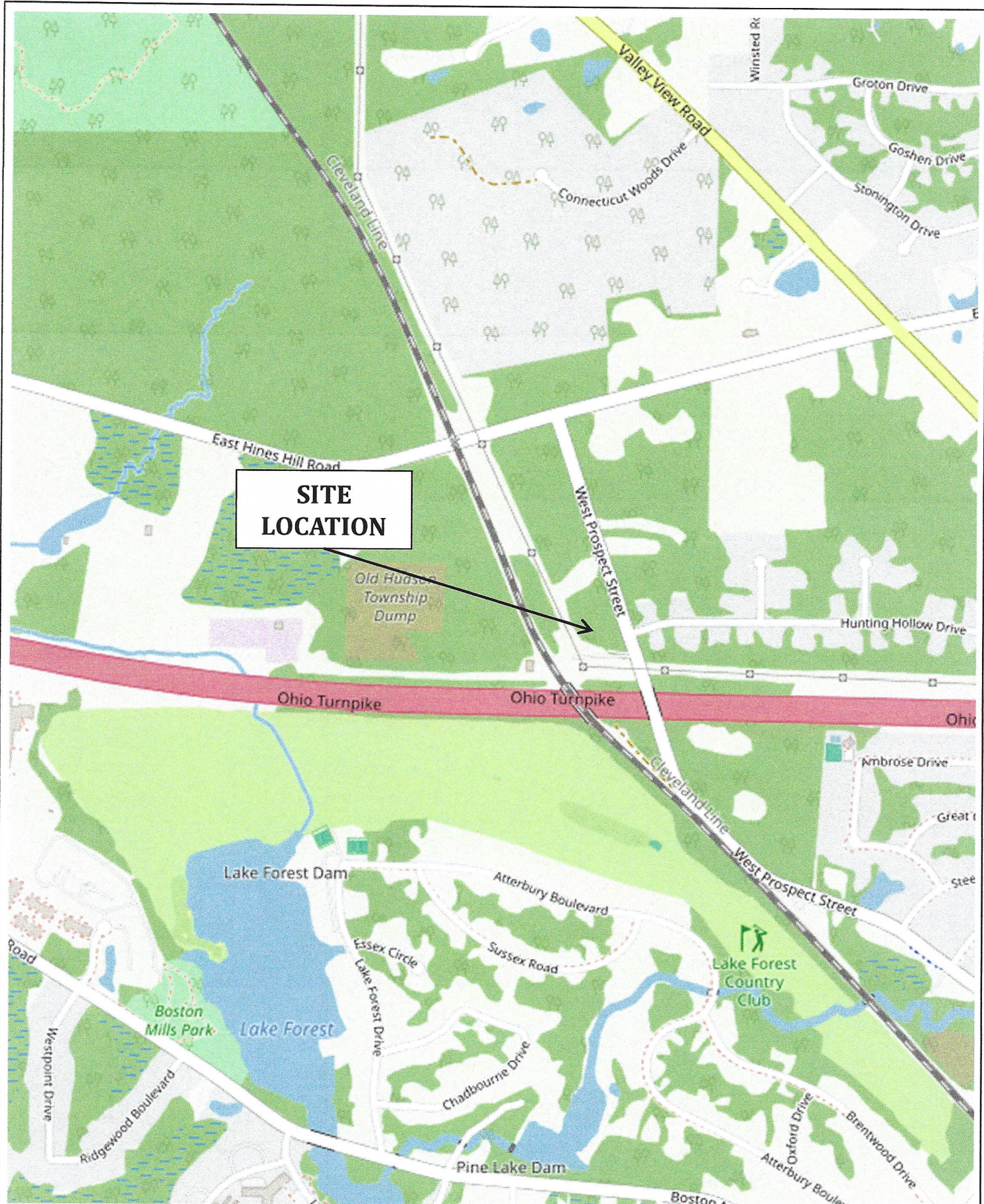
Appendix A
Existing Driveway Traffic Volume Counts

	<u>DWS</u>				<u>B and B</u>						
	<u>Employees</u>		<u>Clients</u>		<u>Employees</u>		<u>Clients</u>		<u>Total Employees</u>	<u>Total Clients</u>	<u>Total</u>
<u>Sunday</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>			
7am-8am	x	x	x	x	0	x	x	x	3	x	3
12pm-1pm	x	x	x	x	x	3	x	x	3	x	3
4pm-5pm	x	x	x	x	3	x	x	x	3	x	3
7pm-8pm	x	x	x	x	x	3	x	x	3	x	3
									12	0	12

	<u>Employees</u>		<u>Clients</u>		<u>Employees</u>		<u>Clients</u>		<u>Total Employees</u>	<u>Total Clients</u>	<u>Total</u>
<u>Monday</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>			
6am-7am	x	x	x	x	4	0	0	0	4	0	4
7am-8am	x	x	x	x	0	0	6	3	0	9	9
8am-9am	x	x	x	x	1	0	6	3	1	9	10
9am-10am	x	x	x	x	0	0	2	2	0	4	4
10am-11am	x	x	x	x	0	0	0	1	0	1	1
11am-12pm	x	x	x	x	0	0	0	1	0	1	1
12pm-1pm	x	x	x	x	3	1	3	3	4	6	10
1pm-2pm	x	x	x	x	0	0	0	0	0	0	0
2pm-3pm	x	x	x	x	0	3	0	2	3	2	5
3pm-4pm	x	x	x	x	0	0	0	6	0	6	6
4pm-5pm	x	x	x	x	0	0	0	6	0	6	6
5pm-6pm	x	x	x	x	1	0	2	3	1	5	6
6pm-7pm	x	x	x	x	0	0	2	3	0	5	5
7pm-8pm	x	x	x	x	0	3	0	0	3	0	3
									16	54	70

	<u>Employees</u>		<u>Clients</u>		<u>Employees</u>		<u>Clients</u>		<u>Total Employees</u>	<u>Total Clients</u>	<u>Total</u>
<u>Tue-Thu</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>	<u>In</u>	<u>Out</u>			
6am-7am	x	x	x	x	3	0	0	0	3	0	3
7am-8am	9	0	6	0	0	0	5	1	9	12	21
8am-9am	0	0	8	0	2	0	5	1	2	14	16
9am-10am	0	0	8	0	0	0	3	1	0	12	12
10am-11am	0	0	6	4	0	0	2	1	0	13	13
11am-12pm	0	0	4	6	3	1	2	0	4	12	16
12pm-1pm	0	0	4	7	0	0	3	3	0	17	17
1pm-2pm	0	0	0	7	0	0	0	0	0	7	7
2pm-3pm	0	3	0	6	0	3	0	2	6	8	14
3pm-4pm	0	4	0	4	1	0	0	5	5	9	14
4pm-5pm	0	0	0	2	0	1	0	5	1	7	8
5pm-6pm	0	2	0	0	0	0	2	3	2	5	7
6pm-7pm	x	x	x	x	0	0	2	3	0	5	5
7pm-8pm	x	x	x	x	0	4	0	0	4	0	4
									36	121	157

[illegible]



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**Proposed Boarding
& Grooming Center
Hudson, Ohio
Trip Generation Analysis**

Location Map



NORTH
NOT TO
SCALE

Figure: 1

Attachment

