

TMS Engineers, Inc.

Transportation Management Services

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

www.TMSEngineers.com

August 11, 2015

Mrs. Joyce Kuryla
KGK Gardening & Design Corp.
1936 Georgetown Rd.
Hudson, Ohio 44236

**Re: Proposed Highfields Event Center
City of Hudson, Ohio
Trip Generation Analysis**

TMS Engineers, Inc. has performed the following trip generation analysis for the proposed event center that will be located at the east end of Georgetown Road in the City of Hudson, Ohio (see **Location Map, Figure 1**). The purpose of this trip generation analysis is to estimate the traffic generated by the completion of the proposed event center. The site plan can be seen in **Figure 2**. The following are the results of our trip generation analysis.

Trip Generation

The calculation of future traffic requires an estimate of traffic the development will generate after construction. The most widely accepted method of determining the amount of traffic that a proposed development will generate is to compare the proposed site with existing facilities of the same use. This estimate is typically expressed as a trip rate and is typically calculated using data and procedures found in the Institute of Transportation Engineers (ITE) "**Trip Generation**" **Manual, Ninth Edition**. Unfortunately, the ITE Trip Generation manual does not currently provide a trip generation rate for a proposed event center so it was necessary to collect traffic counts at a similar site. The Caro's Event Center in Medina, Ohio was selected as a representative site since the land uses are very similar and the building size is similar to the proposed Highfields event center.

A 24-hour tube count was performed on the single driveway into the Caro's event center from August 3rd - August 10th and the results of this count is shown in **Appendix A**. This count data was used to estimate the number of trips which will access the proposed Highfields event center in Hudson, Ohio.

Proposed Event Center

The table on the following page shows the estimated generated traffic during the AM and PM peak hour for the proposed event center based upon the 24-hour tube counts recently collected at the Caro's event center.

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August 11, 2015
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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.



Andrew Pierson, P.E., PTOE
Traffic Engineer



attachments

TMS Engineers, Inc.

4547 Hudson Drive
 Stow, Ohio 44224
 (330)-686-6402

Site Code: CARO
 Station ID:
 Caro Party Center - City of Medina
 Traffic Volumes
 Latitude: 0' 0.0000 Undefined

Start Time	03-Aug-15 Mon	Entering	Exiting	Combined Total	
12:00 AM		*	*	*	
01:00		*	*	*	
02:00		*	*	*	
03:00		*	*	*	
04:00		*	*	*	
05:00		*	*	*	
06:00		*	*	*	
07:00		*	*	*	
08:00		*	*	*	
09:00		*	*	*	
10:00		*	*	*	
11:00		*	*	*	
12:00 PM		*	*	*	
01:00		*	*	*	
02:00		*	*	*	
03:00		2	3	5	■
04:00		1	1	2	■
05:00		0	0	0	
06:00		0	0	0	
07:00		1	1	2	■
08:00		2	1	3	■
09:00		0	0	0	
10:00		1	0	1	■
11:00		0	1	1	■
Total		7	7	14	
Percent		50.0%	50.0%		

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4547 Hudson Drive
 Stow, Ohio 44224
 (330)-686-6402

Site Code: CARO
 Station ID:
 Caro Party Center - City of Medina
 Traffic Volumes
 Latitude: 0' 0.0000 Undefined

Start Time	05-Aug-15 Wed	Entering	Exiting	Combined Total	
12:00 AM		0	0	0	
01:00		0	0	0	
02:00		0	0	0	
03:00		0	0	0	
04:00		0	0	0	
05:00		0	0	0	
06:00		0	0	0	
07:00		1	0	1	█
08:00		2	1	3	██
09:00		0	1	1	█
10:00		0	1	1	█
11:00		2	2	4	██
12:00 PM		2	4	6	███
01:00		1	1	2	██
02:00		1	2	3	██
03:00		0	0	0	
04:00		1	0	1	█
05:00		2	0	2	██
06:00		0	3	3	██
07:00		3	1	4	███
08:00		1	3	4	███
09:00		1	1	2	██
10:00		1	0	1	█
11:00		0	0	0	
Total		18	20	38	
Percent		47.4%	52.6%		

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4547 Hudson Drive
 Stow, Ohio 44224
 (330)-686-6402

Site Code: CARO
 Station ID:
 Caro Party Center - City of Medina
 Traffic Volumes
 Latitude: 0' 0.0000 Undefined

Start Time	07-Aug-15 Fri	Entering	Exiting	Combined Total	
12:00 AM		0	0	0	
01:00		0	0	0	
02:00		0	0	0	
03:00		0	0	0	
04:00		0	0	0	
05:00		0	0	0	
06:00		0	0	0	
07:00		1	1	2	■
08:00		2	2	4	■
09:00		0	0	0	
10:00		1	0	1	■
11:00		1	4	5	■
12:00 PM		1	1	2	■
01:00		0	0	0	
02:00		1	0	1	■
03:00		3	1	4	■
04:00		4	1	5	■
05:00		2	1	3	■
06:00		5	0	5	■
07:00		1	11	12	■
08:00		1	0	1	■
09:00		0	0	0	
10:00		0	1	1	■
11:00		0	0	0	
Total		23	23	46	
Percent		50.0%	50.0%		

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4547 Hudson Drive
 Stow, Ohio 44224
 (330)-686-6402

Site Code: CARO
 Station ID:
 Caro Party Center - City of Medina
 Traffic Volumes
 Latitude: 0' 0.0000 Undefined

Start Time	09-Aug-15 Sun	Entering	Exiting	Combined Total	
12:00 AM		0	0	0	
01:00		0	0	0	
02:00		0	0	0	
03:00		0	0	0	
04:00		0	0	0	
05:00		0	0	0	
06:00		0	0	0	
07:00		0	0	0	
08:00		0	0	0	
09:00		0	0	0	
10:00		0	0	0	
11:00		1	1	2	■
12:00 PM		5	2	7	■■■■■
01:00		1	4	5	■■■■■
02:00		1	1	2	■■
03:00		0	0	0	
04:00		1	1	2	■■
05:00		1	1	2	■■
06:00		3	1	4	■■■■
07:00		0	2	2	■■
08:00		1	1	2	■■
09:00		0	0	0	
10:00		0	0	0	
11:00		0	0	0	
Total		14	14	28	
Percent		50.0%	50.0%		

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