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Date: October 26, 2017

RE: Trip Generation Characteristics for the Proposed Kiddie Academy Pre-School @ Bee Cave

Dear Sir/Madam

Triangle Engineering LLC has analyzed the trip generation characteristics of the proposed Kiddie Academy Pre-School to be located HWY 71, Bee Cave, Texas.

The number of trips generated by a development is a function of the type and quantity of the land use of the development. The number of vehicle trips generated by the proposed development was estimated based on the trip generation rates/equations for a daycare center land use provided in the publication entitled Trip Generation Manual, Ninth Edition, by the Institute of Transportation Engineers (ITE).

Estimates for the number of trips generated by the proposed development were made for the AM and PM peak hours, as well as on a daily basis. The trip generation equations used for this land use and the directional splits are shown in **Table 1**. **Table 2** provides the estimated trip generation for the proposed School.

Table 1: Trip Generation Rates for Daycare/Preschool Development				
Land Use		Rates*		
Description	ITE Code	Average Weekday	AM Peak Hour	PM Peak Hour
Variety Store	565	$T=4.79(X)-33.46$	$T=0.73(X)+4.67$	$\ln(T)=0.88\ln(X)+0.27$

1X= Number of Students

Table 2: Estimated Trip Generation for Daycare/Preschool Development			
	Daycare Center (190 Student)		
	Total	IN	OUT
Average Weekday	905	453	452
AM Peak Hour	148	78	70
PM Peak Hour	136	64	72

Conclusions

Triangle Engineering offers the following conclusions and recommendations:

- The proposed development is predicted to generate 905 trips on a daily basis, 148 during the AM peak hour and 136 trips during the PM peak hour.

Should you have any question, please do not hesitate to contact me.

Thanks



Sincerely
(Kartavya (Kevin) Patel, P.E.)