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July 21, 2021

Rabbi Shloime Denburg
Director of Development
Lubavitch Hebrew Academy
1500 North State Road, #7
Margate, FL 33063

**RE: Lubavitch Hebrew Academy Traffic Analysis
Project No. 202101.01**

Dear Rabbi Denberg:

This is to address the parking demand that is expected to result from the proposed expansion of your school. There are a total of 76 parking spaces in the Lubavitch Hebrew Academy main parking lot, including three handicap parking spaces. There are an additional five parking spaces in a separate small lot on the east side of the school. These parking spaces will remain after the building expansion.

The ITE *Parking Generation* manual, 5th Edition, provides some guidance on the number of parking spaces required for a school. It doesn't have parking generation data for a private, Pre-K through 8th Grade school, but does have such data for both Elementary Schools and Middle Schools (Copies enclosed). Of the two land uses, the average parking rate for Elementary Schools is the larger at 0.13 parking spaces per student. Applying this parking rate to the maximum student population of 400 results in a parking demand for 52 parking spaces ($400 \text{ students} \times 0.13 \text{ parking spaces per student} = 52 \text{ parking spaces}$). With 76 parking spaces in the main parking lot, including three handicap spaces, Lubavitch Hebrew Academy has provided for 146 percent of the vehicular parking ever expected to be needed. The five additional parking spaces to the east merely increase the already substantial parking supply.

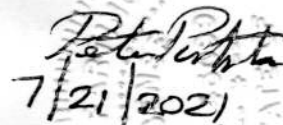
Should you require anything else, please do not hesitate to contact this office.

Very truly yours,



Thomas A. Hall
President

TAH/kh



Peter Partington, P.E.
FL Registration No. 45099
1521 NE 53rd Street
Fort Lauderdale, FL 33334

Enclosures

C:\Work\202101 - Hebrew Academy in Margate Traffic Analysis\Parking\Parking Analysis.docx

Elementary School (520)

Peak Period Parking Demand vs: Students

On a: Weekday (Monday - Friday)

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 8:00 a.m. - 3:00 p.m.

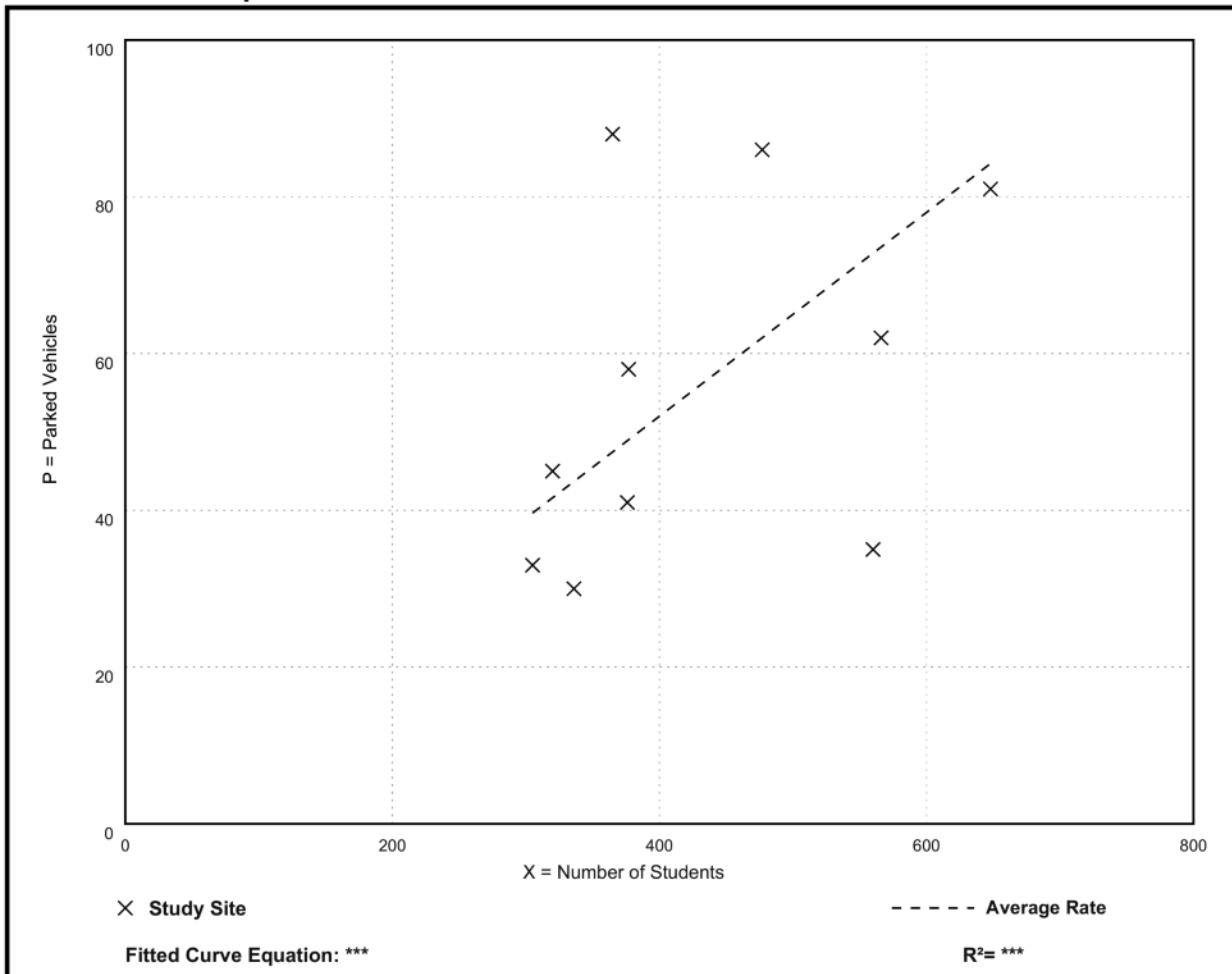
Number of Studies: 10

Avg. Num. of Students: 433

Peak Period Parking Demand per Student

Average Rate	Range of Rates	33rd / 85th Percentile	95% Confidence Interval	Standard Deviation (Coeff. of Variation)
0.13	0.06 - 0.24	0.11 / 0.20	***	0.05 (38%)

Data Plot and Equation



Middle School/Junior High School (522)

Peak Period Parking Demand vs: Students

On a: Weekday (Monday - Friday)

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 10:00 a.m. - 2:00 p.m.

Number of Studies: 4

Avg. Num. of Students: 845

Peak Period Parking Demand per Student

Average Rate	Range of Rates	33rd / 85th Percentile	95% Confidence Interval	Standard Deviation (Coeff. of Variation)
0.09	0.07 - 0.12	0.08 / 0.12	***	0.02 (22%)

Data Plot and Equation

Caution – Small Sample Size

