

Submittal – 6140 Sandy Ct. EA 17-104

Re: Traffic Memo

Traffic Count: The proposed buildings are a total of 13,134 square feet.

Using the trip generation 9th Edition from the Institute of Transportation Engineers for General Light Industrial Usages method, based on square footage, we find the following:

$13,134 \text{ sq. ft.} / 1000 = 13.134 \times 6.97 \times 2 = 91.54$ trips, or 46 trips entering, 46 trips exiting per day – Average vehicle trips

Using the Number of Employees method:

The space will be occupied as follows:

4 employees in each office area	8
6 – 10 employees x 2 buildings in the warehouse areas	20
4 Employees in the Vehicle Storage Building	<u>4</u>
	32

$32 \text{ Employees} \times 3.02 = 96$ trips or 48 trips entering and 48 trips exiting per day.

General Light Industrial (110)

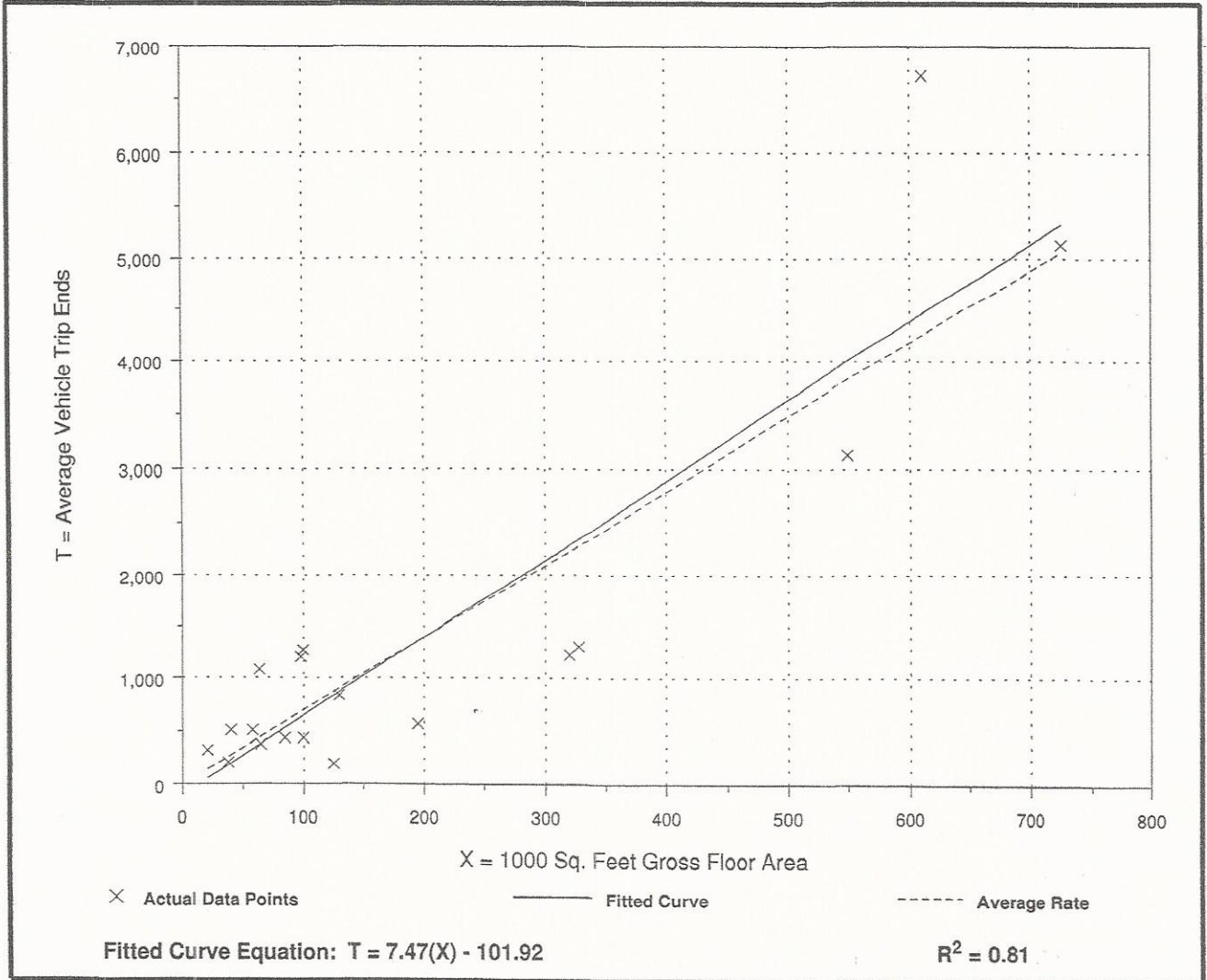
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday

Number of Studies: 18
Average 1000 Sq. Feet GFA: 203
Directional Distribution: 50% entering, 50% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
6.97	1.58 - 16.88	4.24

Data Plot and Equation



General Light Industrial (110)

Average Vehicle Trip Ends vs: Employees
On a: Weekday

Number of Studies: 18
Avg. Number of Employees: 469
Directional Distribution: 50% entering, 50% exiting

Trip Generation per Employee

Average Rate	Range of Rates	Standard Deviation
3.02	1.53 - 4.48	1.86

Data Plot and Equation

