

Traffic Data:

Start Time	Mon 24-Feb-14	Tue 25-Feb-14	Wed 26-Feb-14	Thu 27-Feb-14	Fri 28-Feb-14	Average Day	Sat 01-Mar-14	Sun 02-Mar-14	Week Average
12:00 AM	*	*	9	9	14	11	25	21	16
01:00	*	*	5	5	8	6	12	7	7
02:00	*	*	2	6	4	4	5	10	5
03:00	*	*	6	6	7	6	6	2	5
04:00	*	*	21	16	25	21	7	4	15
05:00	*	*	41	43	34	39	14	6	28
06:00	*	*	110	107	100	106	42	19	76
07:00	*	*	234	214	238	229	76	35	159
08:00	*	*	126	132	133	130	114	95	120
09:00	*	*	111	136	120	122	182	116	133
10:00	*	*	110	100	122	111	166	109	121
11:00	*	*	108	119	134	120	189	121	134
12:00 PM	*	*	157	138	166	154	168	140	154
01:00	*	*	148	138	166	151	184	125	152
02:00	*	162	144	143	170	155	198	134	158
03:00	*	134	172	179	180	166	201	119	164
04:00	*	190	182	206	195	193	188	84	174
05:00	*	251	240	265	240	249	185	50	205
06:00	*	152	170	169	204	174	164	27	148
07:00	*	108	122	126	142	124	100	1	100
08:00	*	63	94	74	74	76	90	0	66
09:00	*	47	79	62	82	68	80	0	58
10:00	*	30	33	36	66	41	66	0	38
11:00	*	11	16	15	32	18	30	0	17
Day Total	0	1148	2440	2444	2656	2474	2492	1225	2253

TRIP GENERATION ANALYSIS

Definition:

Trip - A ***trip*** or ***trip end*** is a single or one-direction vehicle movement with either the origin or the destination (exiting or entering) inside a study site. For trip generation purposes, the total trip ends for a land use over a given period of time are the total of all trips entering plus all trips exiting a site during a designated time period.

* Trip Generation Manual 9th Edition

Apartment (220)

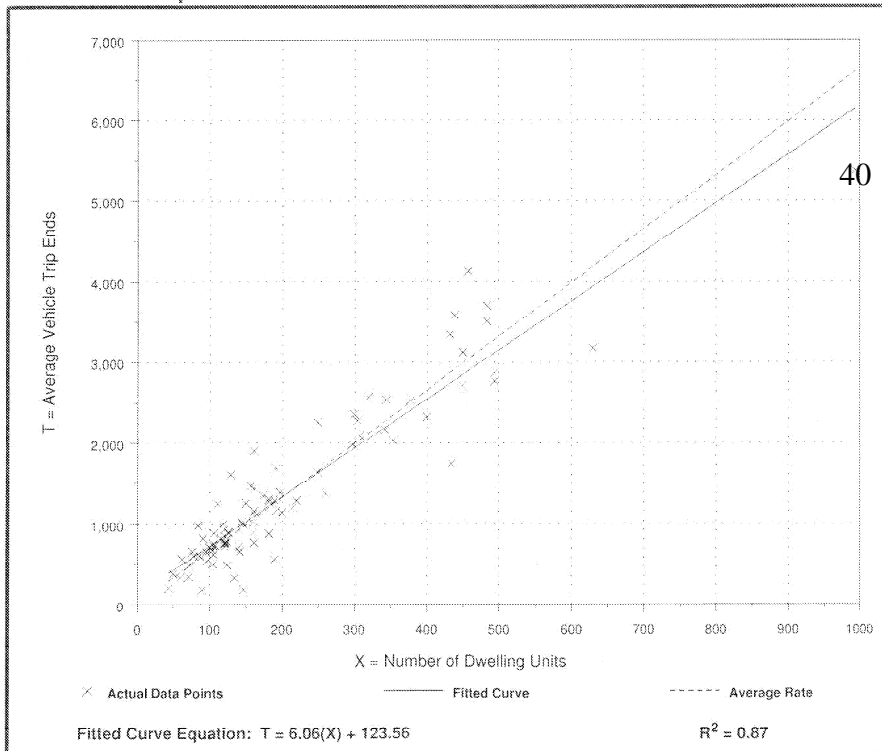
Average Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Number of Studies: 88
Avg. Number of Dwelling Units: 210
Directional Distribution: 50% entering, 50% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
6.65	1.27 - 12.50	3.07

Data Plot and Equation



Number of Dwelling
Units = 40

*40 units x 6.65 trips / dwelling unit
= 266 trips*

Single-Family Detached Housing (210)

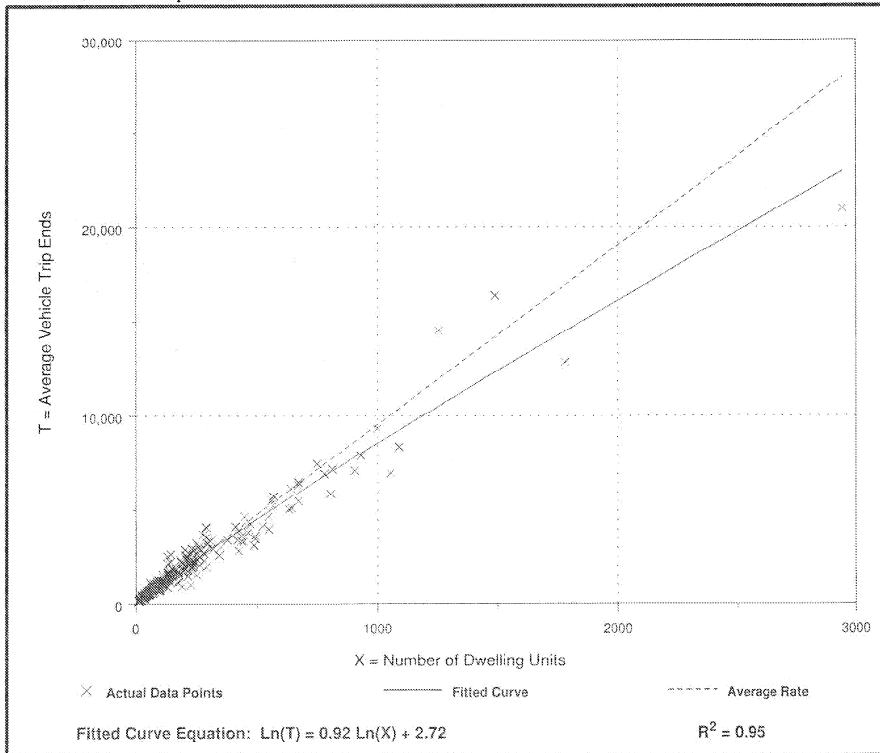
Average Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Number of Studies: 355
Avg. Number of Dwelling Units: 198
Directional Distribution: 50% entering, 50% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
9.52	4.31 - 21.85	3.70

Data Plot and Equation



$$R-1 = 8,000 \text{ sf / dwelling}$$

$$7.26 \text{ acres} = 316,245.6 \text{ sf}$$

$$\underline{-15\% \text{ for Infrastructure} = 47,43.8 \text{ sf}}$$

$$268,808.2 \text{ sf}$$

$$268,808.2 \text{ sf} / 8,000 \text{ sf/dwelling} = 33.6 \text{ dwellings}$$

$$33 \text{ units} \times 9.52 \text{ trips / dwelling unit} = 314 \text{ trips}$$