TRIP GENERATION

An ITE Informational Report

8th Edition • Volume 2 of 3

Trip Generation Rates, Plots and Equations

- Port and Terminal (Land Uses 000 - 099)
- Industrial (Land Uses 100 - 199)
- Residential (Land Uses 200 - 299)
- Lodging (Land Uses 300 - 399)
- Recreational (Land Uses 400 - 499)

Institute of Transportation Engineers

Residential Condominium/Townhouse
(230)

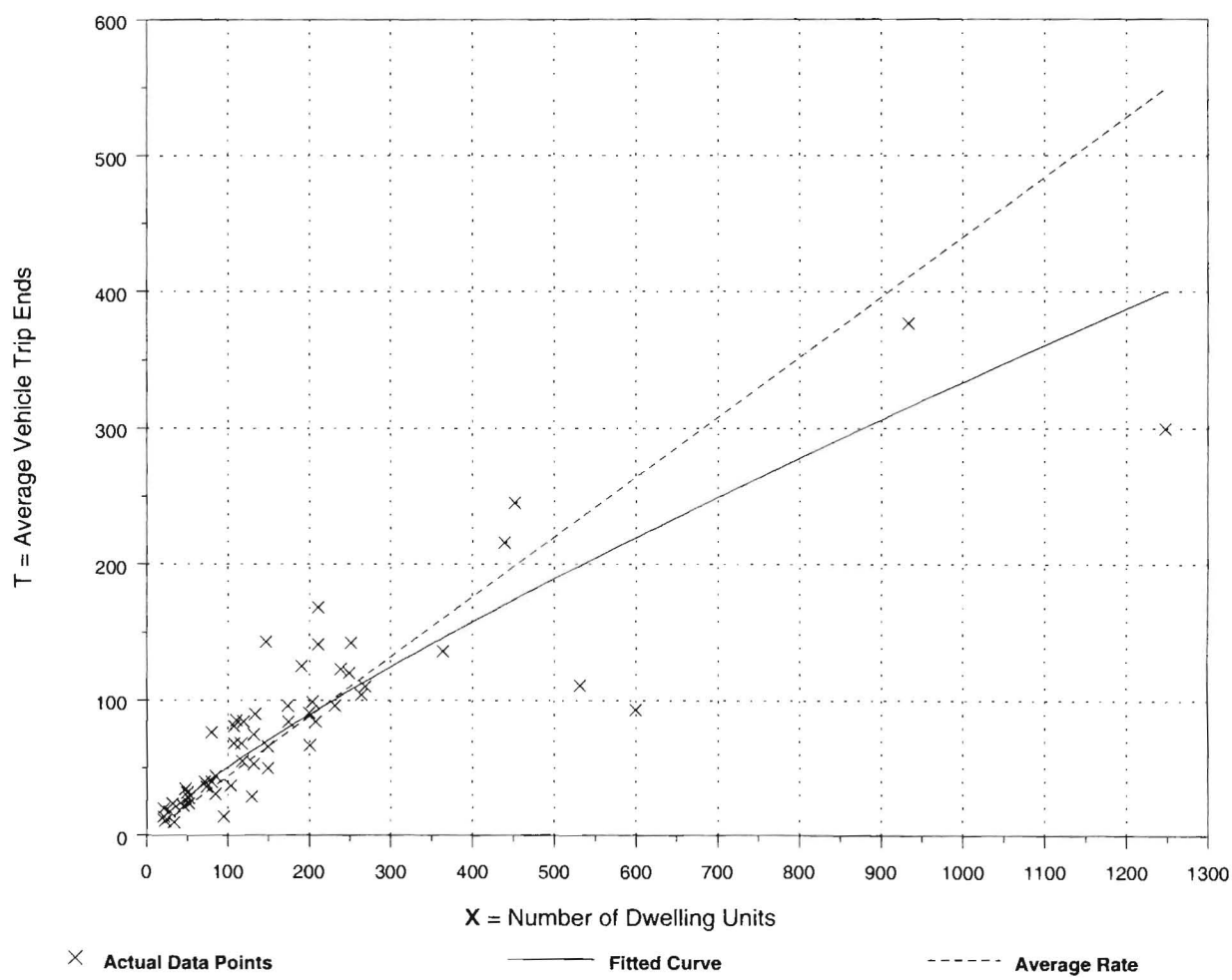
Average Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
A.M. Peak Hour of Generator

Number of Studies: 54
Avg. Number of Dwelling Units: 196
Directional Distribution: 19% entering, 81% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.44	0.15 - 0.97	0.68

Data Plot and Equation



Fitted Curve Equation: Ln(T) = 0.82 Ln(X) + 0.15 **R^2 = 0.80**

Residential Condominium/Townhouse
(230)

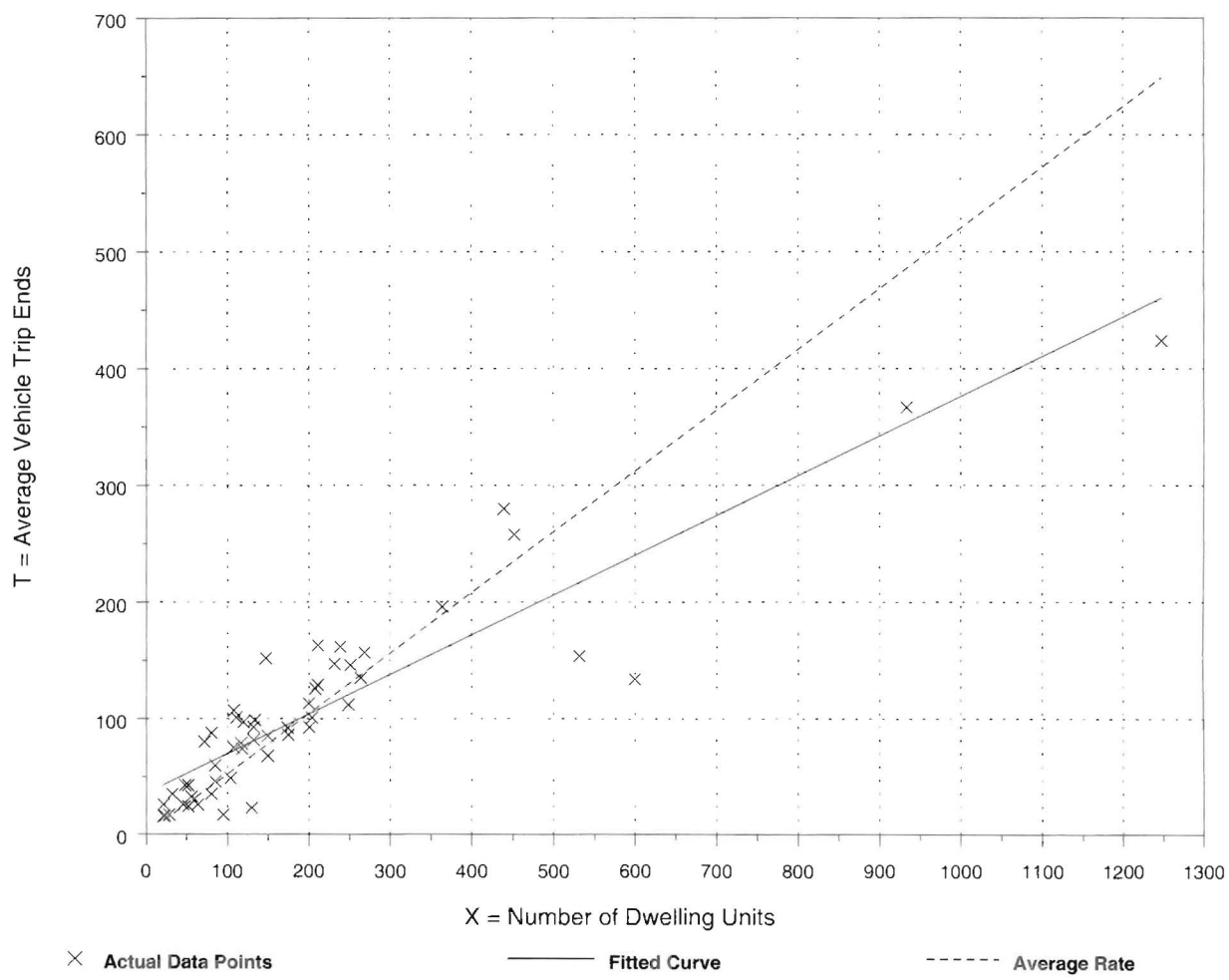
Average Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
P.M. Peak Hour of Generator

Number of Studies: 52
Avg. Number of Dwelling Units: 199
Directional Distribution: 64% entering, 36% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.52	0.18 - 1.24	0.75

Data Plot and Equation



Fitted Curve Equation: T = 0.34(X) + 35.87

R^2 = 0.82