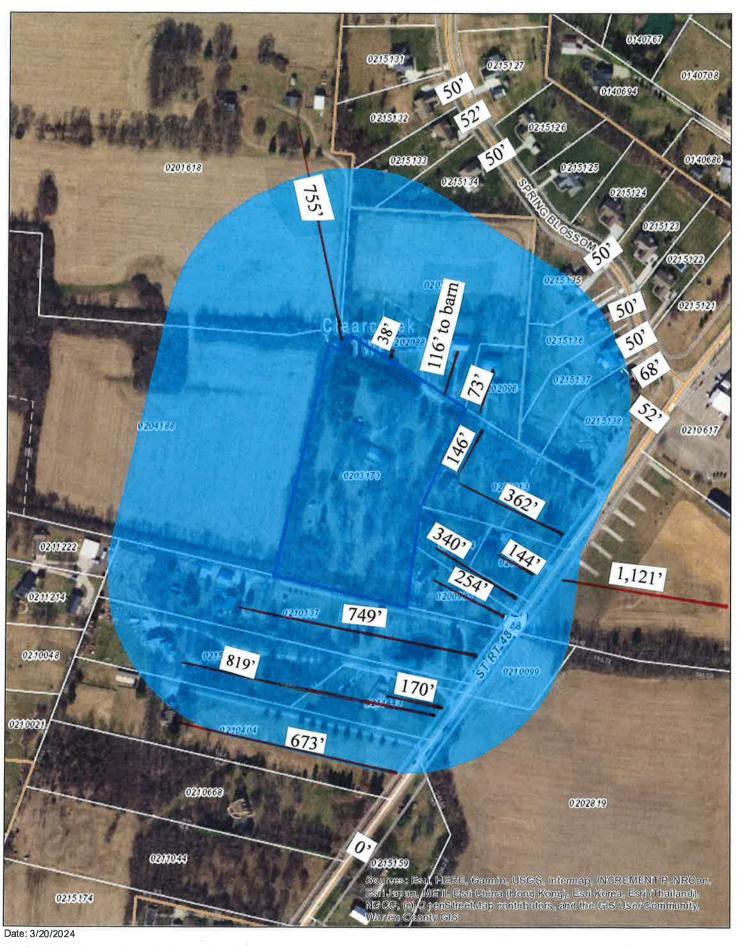


Cadastral Lines Corporate Une County Line → Farm Lot time ROWUnk nown W ∼ Road ROW ~ Subdivasion Lot Line Line Type Township and Range L School Line ≕ Chal Town shilp Un o Section Line Section Line Section Line VMSLine
— Vaicaled Road Line

Staff scaled measurements 5385 N SR 48

1 inch = 100 feet

The gradest makes the variety or representation with respect to its information, its quality or extends it you provided ASTS, and the requester assumes the entire risk as to its quality and sustable by the provided ASTS, and the requester assumes the entire risk as to its quality and sustable by the provided ASTS, and the requested in the respective of the provided ASTS, and the requested in the information. The provided hade in state by the requested internation in the requested internation and the respective of the requested internation in the requested internation and the respective of the respective distribution of the respective distribution and the respect



Cadastral Line 8

Cadastral Li

LAND USE: 210 SINGLE-FAMILY DETACHED HOUSING

DESCRIPTION

Any single-family detached home on an individual lot is included in this category. A typical example of this land use is a home in a modern subdivision.

The average development density was 3.5 units per acre with 3.7 persons per unit. The average automobile ownership measured was 1.6 vehicles per unit.

TRIP CHARACTERISTICS AND DATA LIMITATIONS

The analysis of correlation between average weekday vehicle trip ends and all measured independent variables is shown in the tables.

Although the number of vehicles and number of residents have the highest correlations with average weekday trip ends, these variables have limited use. This is because: 1) The number of vehicles and residents is difficult to obtain and very few of the studies contained these data, and 2) these data are also difficult to predict. The number of units has a high correlation with average weekday vehicle trip ends. The variable is best because it is contained in most studies, it is easy to project and convenient to use.

AVERAGE WEEKDAY TRANSIT TRIP ENDS

No data available.

ADJUSTMENT FACTORS

This land use includes data from a wide variety of units with different sizes, price ranges, locations, and ages. Consequently, there could be as wide a variation in trips generated within this category as there is between different residential land uses. As expected, dwelling units that were larger in size, more expensive, or farther away from the central business district had a higher trip generation rate per unit than those smaller in size, less expensive, or closer to the CBD. However, other factors, such as geographic location and type of adjacent and

nearby development, also had an effect on the trip generation rate.

Single-family detached units have the highest rate per dwelling unit of all residential uses because they are the largest units in size and have more residents and more vehicles per unit than other residential land uses; they are generally located farther away from shopping centers, employment areas, and other trip attractors than are other residential land uses; and they have fewer alternate modes of transportation available because they are not as concentrated as other residential land uses.

The Federal Highway Administration¹ developed adjustment factors for average weekday trip rates for residential land uses and their associated demographic characteristics. These characteristics included household size, vehicle ownership, and dwelling density. The adjustment factors shown below are to be added or subtracted from the average weekday trip rates, using dwelling units as the independent variable. Any combination of adjustment factors may be applied to the trip rate. However, if residential characteristics are not available, then the average rate or equation would be utilized. Peak hour trip rates can be adjusted by the ratio of the average weekday adjusted trip rate to the average weekday trip rate.

| Characteristic | Adjustment Factor ² | | |
|------------------------|--------------------------------|---|--|
| Household Size | | | |
| 1–2 | -3.4 | | |
| 2–3 | -1.8 | | |
| >3 | 0.0 | ì | |
| Vehicles Owned | | | |
| 0-1 | <i>–</i> 1.5 | | |
| 1–2 | 0.0 | | |
| >2 | +2.9 | | |
| Density (Dwelling Unit | ts/Acre) | | |
| 0-3 | 0.0 | | |
| 3–5 | 0.0 | | |
| >5 >5 | -0.1 | | |
| _ /J | | | |

SOURCE NUMBERS

1, 4, 5, 6, 7, 8, 11, 12, 13, 14, 16, 19, 20, 21, 24, 26, 34, 35, 36, 38, 40, 71, 72, 91, 98, 100, 105, 108, 110, 114, 117, 119, 157, 167, 177, 187, 192, 211

¹U.S. Department of Transportation, Federal Highway Administration. *Development and Application of Trip Generation Rates*. Kellerco, January 1985.

²Adjustment factor to be added to (or substracted from) the mean daily trip rate per dwelling unit.

SINGLE FAMILY DETACHED HOUSING (210)

Average Vehicle Trip Ends vs: **DWELLING UNITS**On a: **WEEKDAY**

TRIP GENERATION RATES

| | Average Weekday Vehicle Trip Ends per Dwelling Unit | | | | | |
|----------|---|-----------------------|----------------------|-------------------------------------|--|--|
| Average | Range of Rates | Standard Deviation | Number of Studies | Average Number of Dwelling Units | | |
| rip Rate | | 4.36 | 320 | 366.5 | | |
| 10.062 | 4.307-21.900 | 4.50 | | | | |

DATA PLOT AND EQUATION

