





© Nearmaps, 2025

Bowman

-  SITE DRIVEWAY
-  SHARED DRIVEWAY
-  SIGNALIZED INT.

LEGEND


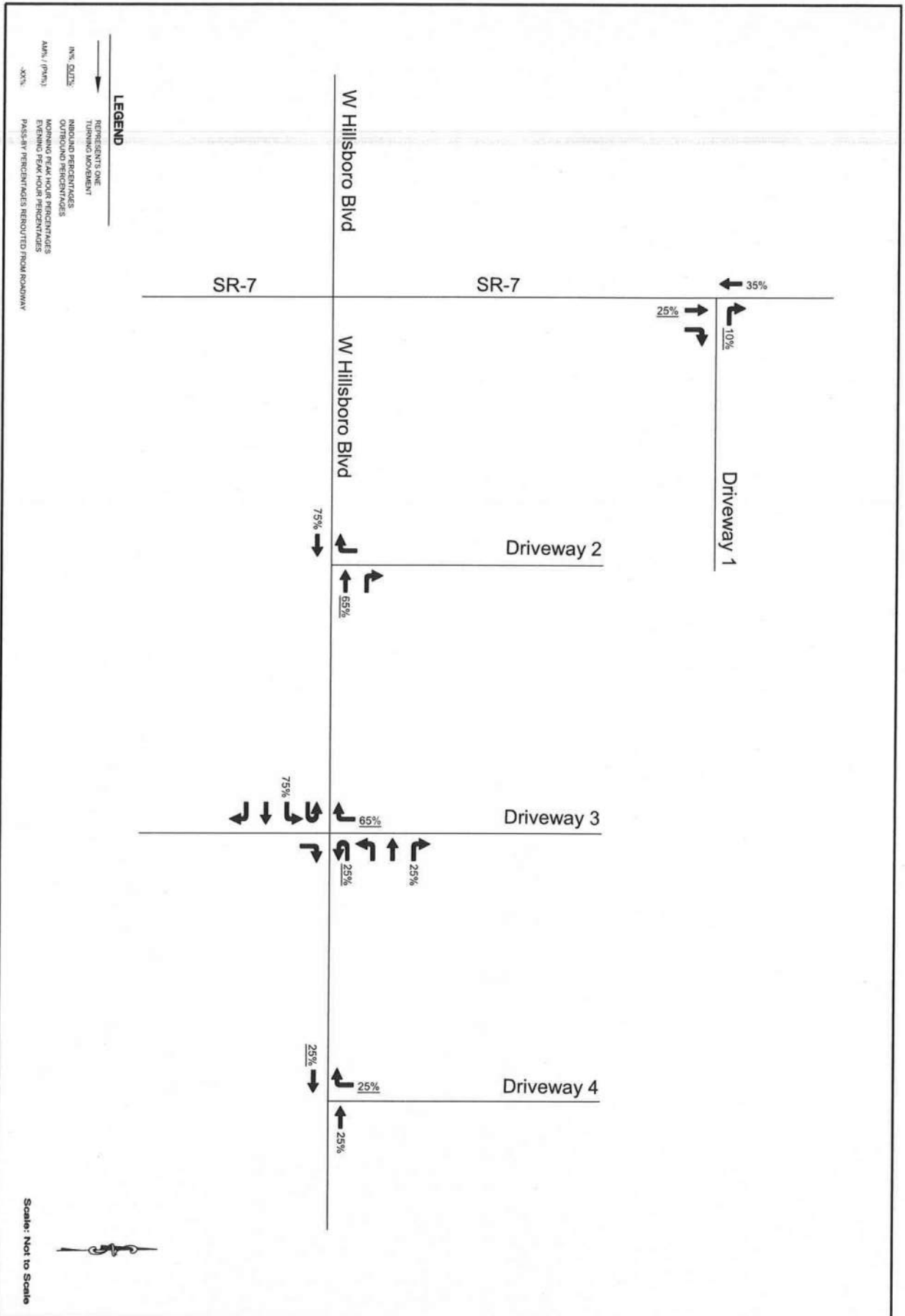
-  SITE LOCATION DISTRIBUTION

FIGURE 3. TRIP DISTRIBUTION

WALMART #1916 COCONUT CREEK



LEGEND

REPRESENTS ONE TURNING MOVEMENT

IN% SOUTHBOUND PERCENTAGES

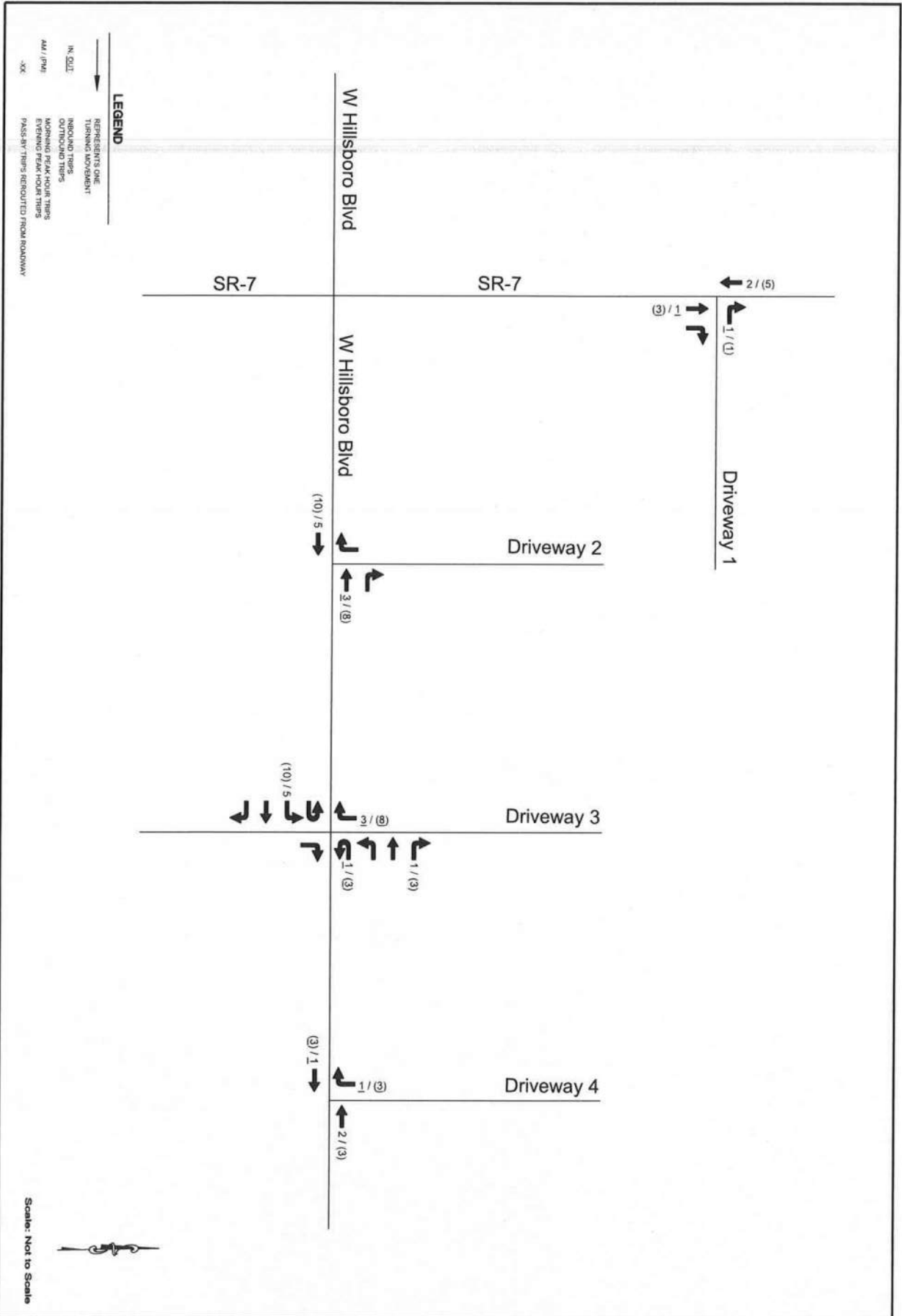
OUTBOUND PERCENTAGES

MORNING PEAK HOUR PERCENTAGES

EVENING PEAK HOUR PERCENTAGES

PASSIVE PERCENTAGES DERIVED FROM ROADWAY

Scale: Not to Scale



APPENDIX D

Parking Ratio Calculations

ITE DATA

LU 820 Rates:

| | |
|---------------------|------|
| Non-December (M-F): | 1.95 |
| December (M-F): | 3.77 |
| Non-December (Sa) | 2.91 |
| December (Sa) | 4.58 |

LU 813 Rates:

| | |
|---------------------|------|
| Non-December (M-F): | 1.46 |
| Non-December (Sa) | 2.07 |

CALCUALTIONS

M-F:

$$\begin{array}{rcl}
 \frac{820: \text{Non-December (M-F)}}{820: \text{December (M-F)}} & = & \frac{813: \text{Non-December (M-F)}}{813: \text{December (M-F)}} \\
 \frac{1.95}{3.77} & = & \frac{1.46}{x} \\
 \hline
 x & = & 2.82
 \end{array}$$

Sa:

$$\begin{array}{rcl}
 \frac{820: \text{Non-December (Sa)}}{820: \text{December (Sa)}} & = & \frac{813: \text{Non-December (Sa)}}{813: \text{December (Sa)}} \\
 \frac{2.91}{4.58} & = & \frac{2.07}{x} \\
 \hline
 x & = & 3.26
 \end{array}$$

Land Use: 813 Free-Standing Discount Superstore

Description

A discount superstore is similar to a free-standing discount store described in Land Use 815 with the exception that it also contains a full-service grocery department under the same roof that shares entrances and exits with the discount store area. These stores usually offer a variety of customer services, centralized cashiering, and a wide range of products. They typically maintain long store hours 7 days a week. The stores included in this land use are often the only ones on the site, but they can also be found in mutual operation with a related or unrelated garden center and/or service station, or as a part of a shopping center, with or without their own dedicated parking area. Freestanding discount store (Land Use 815) is a related use.

Time of Day Distribution for Parking Demand

The following table presents a time-of-day distribution of parking demand on a non-December weekday (four study sites) and a non-December Saturday (three study sites) in a general urban/suburban setting.

| Hour Beginning | Percent of Peak Parking Demand | |
|-----------------|--------------------------------|----------|
| | Weekday | Saturday |
| 12:00–4:00 a.m. | 7 | – |
| 5:00 a.m. | 10 | – |
| 6:00 a.m. | 15 | – |
| 7:00 a.m. | 21 | – |
| 8:00 a.m. | 33 | – |
| 9:00 a.m. | 52 | 47 |
| 10:00 a.m. | 71 | 67 |
| 11:00 a.m. | 84 | 86 |
| 12:00 p.m. | 92 | 91 |
| 1:00 p.m. | 100 | 97 |
| 2:00 p.m. | 96 | 100 |
| 3:00 p.m. | 96 | 93 |
| 4:00 p.m. | 82 | 96 |
| 5:00 p.m. | 81 | 80 |
| 6:00 p.m. | 74 | 79 |
| 7:00 p.m. | 61 | – |
| 8:00 p.m. | 48 | – |
| 9:00 p.m. | 31 | – |
| 10:00 p.m. | 11 | – |
| 11:00 p.m. | 2 | – |

Additional Data

Garden centers contained within the principal outside faces of the exterior building walls were included in the gross square floor areas reported. Outdoor or fenced-in areas outside the principal faces of the exterior walls were excluded. Several sites included in this land use indicated the presence of fenced/covered space.

The average parking supply ratio for the eight study sites with parking supply information is 4.8 spaces per 1,000 square feet GFA in a general urban/suburban setting.

The sites were surveyed in the 2000s and the 2010s in Alabama, California, Florida, Illinois, Kansas, Minnesota, and Washington.

To assist in the future analysis of this land use, it is important to collect and include information on the presence and size of garden centers, outdoor fenced-in space, and service stations in parking generation data submissions.

Source Numbers

406, 501, 511, 519, 525, 527, 557

Free-Standing Discount Superstore - Non-December (813)

Peak Period Parking Demand vs: 1000 Sq. Ft. GFA

On a: Weekday (Monday - Friday)

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 12:00 - 5:00 p.m.

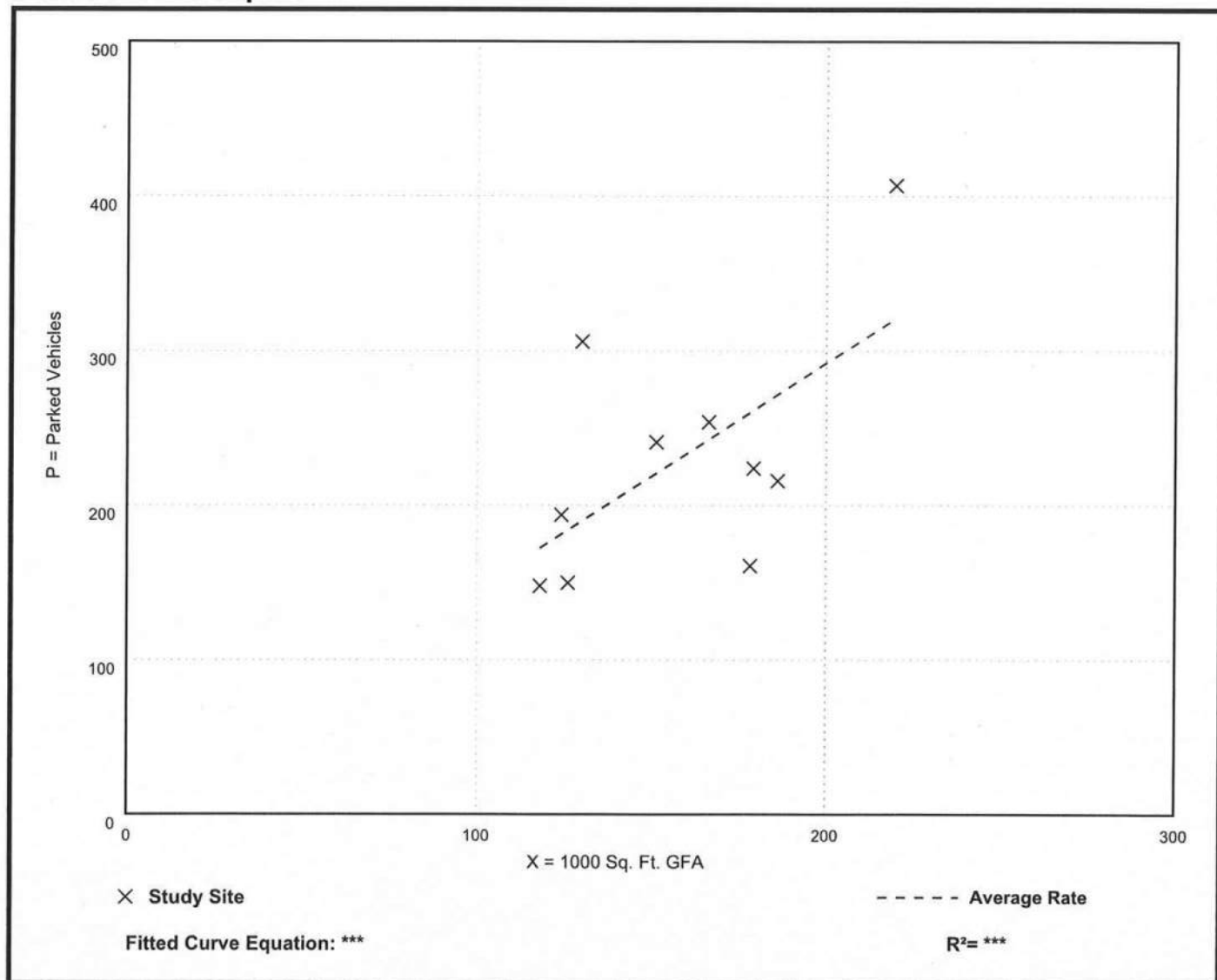
Number of Studies: 10

Avg. 1000 Sq. Ft. GFA: 158

Peak Period Parking Demand per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|--|
| 1.46 | 0.90 - 2.35 | 1.23 / 2.03 | *** | 0.41 (28%) |

Data Plot and Equation



Free-Standing Discount Superstore - Non-December (813)

Peak Period Parking Demand vs: 1000 Sq. Ft. GFA

On a: Saturday

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 11:00 a.m. - 5:00 p.m.

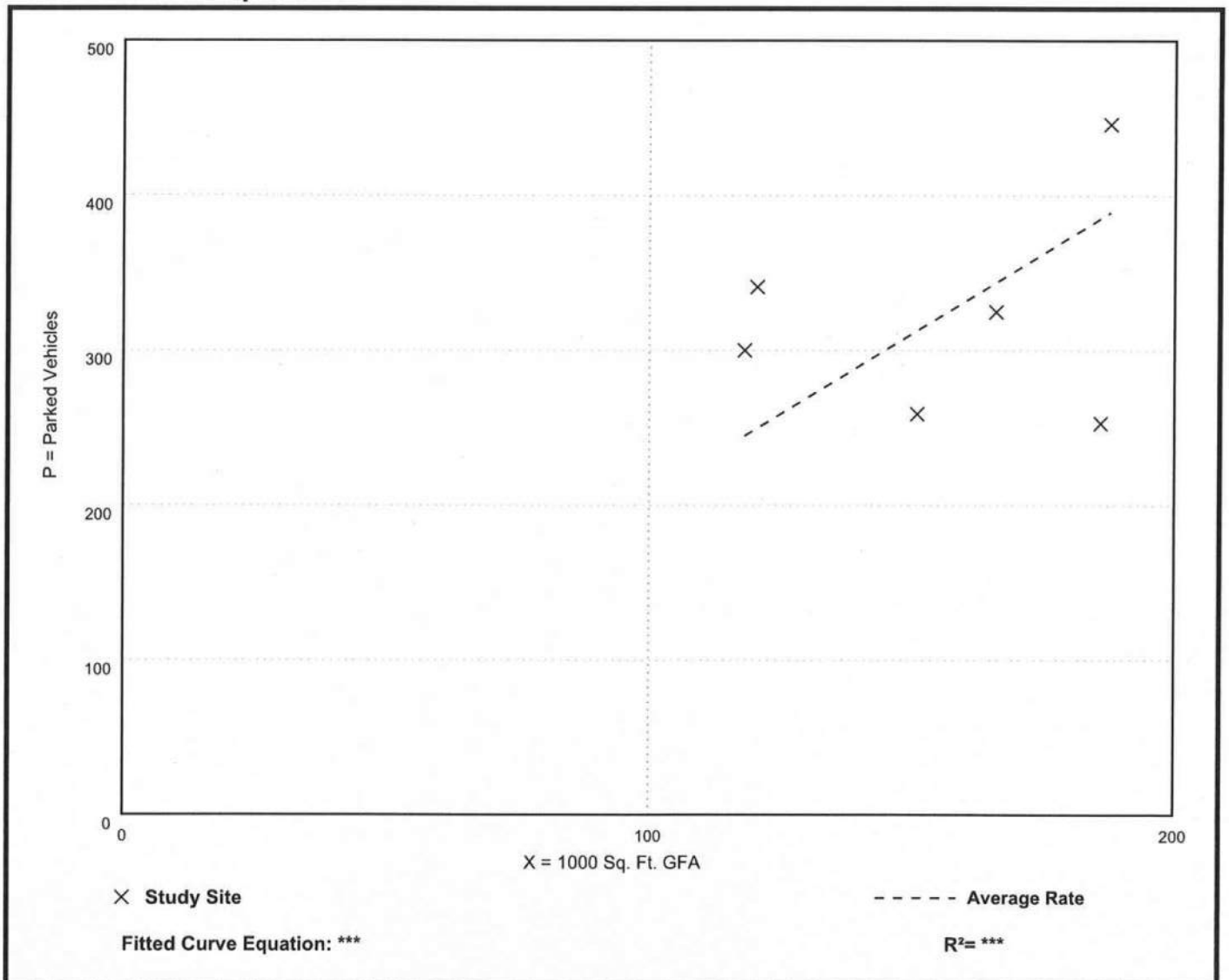
Number of Studies: 6

Avg. 1000 Sq. Ft. GFA: 155

Peak Period Parking Demand per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|--|
| 2.07 | 1.36 - 2.83 | 1.79 / 2.81 | *** | 0.54 (26%) |

Data Plot and Equation



Free-Standing Discount Superstore - December (813)

Peak Period Parking Demand vs: 1000 Sq. Ft. GFA

On a: Weekday (Monday - Friday)

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 12:00 - 4:00 p.m.

Number of Studies: 1

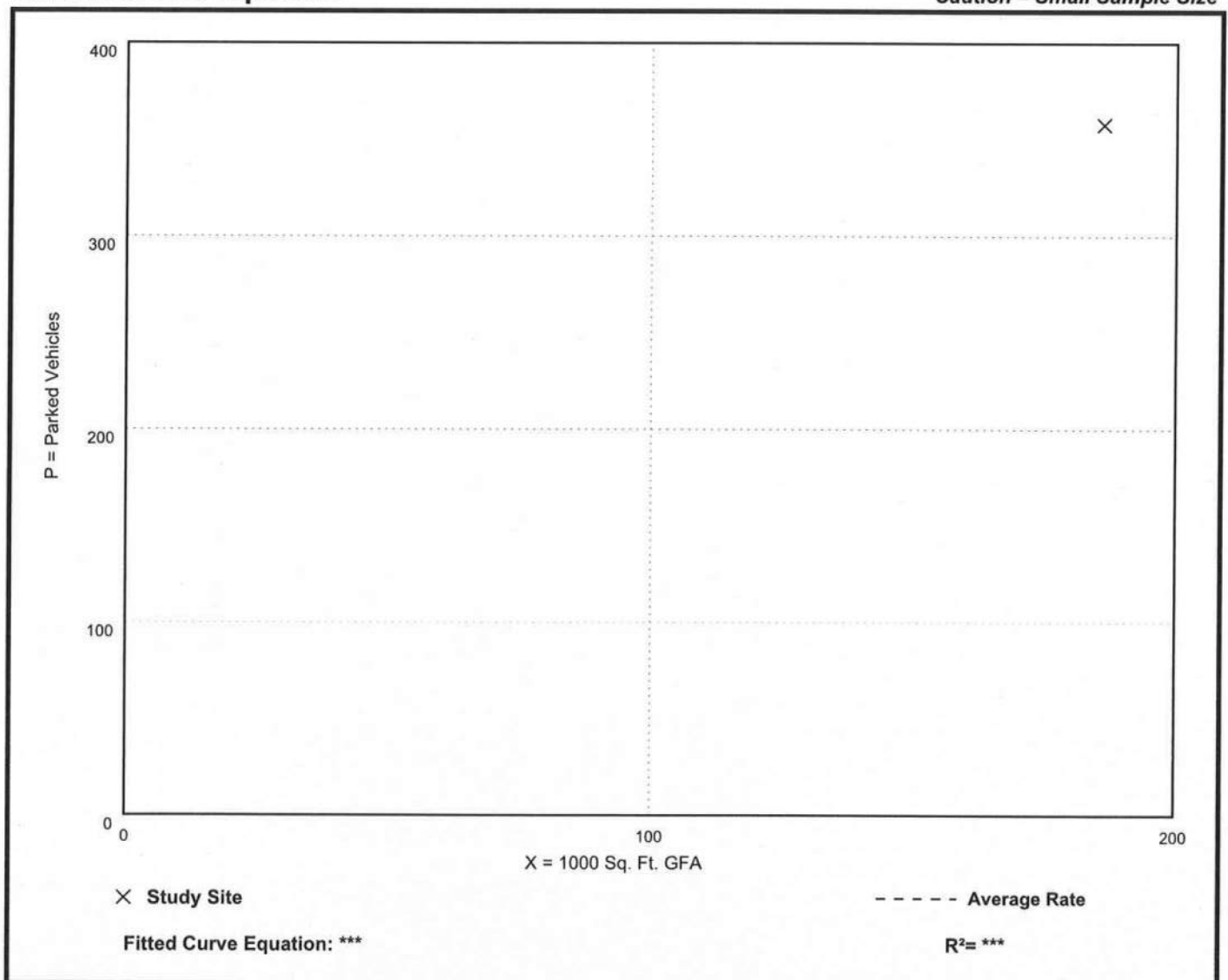
Avg. 1000 Sq. Ft. GFA: 186

Peak Period Parking Demand per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|--|
| 1.92 | 1.92 - 1.92 | *** / *** | *** | *** (***) |

Data Plot and Equation

Caution – Small Sample Size



Free-Standing Discount Superstore - December (813)

Peak Period Parking Demand vs: 1000 Sq. Ft. GFA

On a: Saturday

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 11:00 a.m. - 5:00 p.m.

Number of Studies: 1

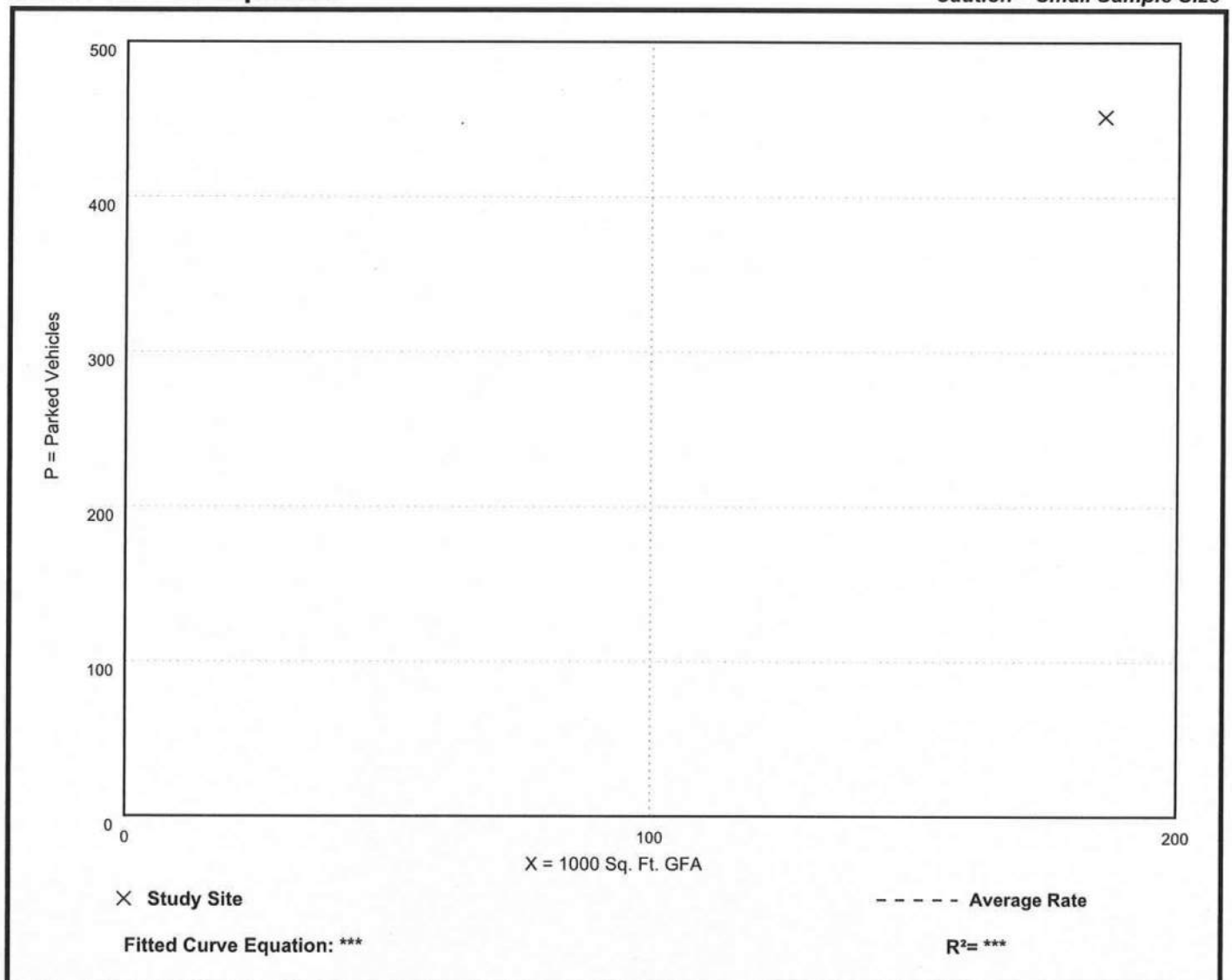
Avg. 1000 Sq. Ft. GFA: 186

Peak Period Parking Demand per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|--|
| 2.43 | 2.43 - 2.43 | *** / *** | *** | *** (***) |

Data Plot and Equation

Caution – Small Sample Size



Land Use: 820 Shopping Center

Description

A shopping center is an integrated group of commercial establishments that is planned, developed, owned, and managed as a unit. A shopping center's composition is related to its market area in terms of size, location, and type of store. A shopping center also provides on-site parking facilities sufficient to serve its own parking demands.

Time of Day Distribution for Parking Demand

The following table presents a time-of-day distribution of parking demand **during the month of December** on a weekday (seven study sites), a Friday (eight study sites), and a Saturday (19 study sites).

| Hour Beginning | Percent of Peak Parking Demand during December | | |
|-----------------|--|--------|----------|
| | Weekday | Friday | Saturday |
| 12:00–4:00 a.m. | – | – | – |
| 5:00 a.m. | – | – | – |
| 6:00 a.m. | – | – | – |
| 7:00 a.m. | – | – | – |
| 8:00 a.m. | – | – | – |
| 9:00 a.m. | – | – | – |
| 10:00 a.m. | – | 74 | – |
| 11:00 a.m. | – | 87 | 85 |
| 12:00 p.m. | 77 | 97 | 97 |
| 1:00 p.m. | 100 | 100 | 98 |
| 2:00 p.m. | 98 | 92 | 100 |
| 3:00 p.m. | 90 | 85 | 97 |
| 4:00 p.m. | 76 | 84 | 88 |
| 5:00 p.m. | 82 | 78 | 77 |
| 6:00 p.m. | 89 | 75 | 64 |
| 7:00 p.m. | 90 | 63 | – |
| 8:00 p.m. | 84 | – | – |
| 9:00 p.m. | – | – | – |
| 10:00 p.m. | – | – | – |
| 11:00 p.m. | – | – | – |

The following table presents a time-of-day distribution of parking demand **during a non-December month** on a weekday (18 study sites), a Friday (seven study sites), and a Saturday (13 study sites).

| Hour Beginning | Percent of Non-December Peak Parking Demand | | |
|-----------------|---|--------|----------|
| | Weekday | Friday | Saturday |
| 12:00–4:00 a.m. | – | – | – |
| 5:00 a.m. | – | – | – |
| 6:00 a.m. | – | – | – |
| 7:00 a.m. | – | – | – |
| 8:00 a.m. | 15 | 32 | 27 |
| 9:00 a.m. | 32 | 50 | 46 |
| 10:00 a.m. | 54 | 67 | 67 |
| 11:00 a.m. | 71 | 80 | 85 |
| 12:00 p.m. | 99 | 100 | 95 |
| 1:00 p.m. | 100 | 98 | 100 |
| 2:00 p.m. | 90 | 90 | 98 |
| 3:00 p.m. | 83 | 78 | 92 |
| 4:00 p.m. | 81 | 81 | 86 |
| 5:00 p.m. | 84 | 86 | 79 |
| 6:00 p.m. | 86 | 84 | 71 |
| 7:00 p.m. | 80 | 79 | 69 |
| 8:00 p.m. | 63 | 70 | 60 |
| 9:00 p.m. | 42 | – | 51 |
| 10:00 p.m. | 15 | – | 38 |
| 11:00 p.m. | – | – | – |

Additional Data

The parking demand database includes data from strip, neighborhood, community, town center, and regional shopping centers. Some of the centers contain non-merchandising facilities, such as office buildings, movie theaters, restaurants, post offices, banks, health clubs, and recreational facilities.

Many shopping centers, in addition to the integrated unit of shops in one building or enclosed around a mall, include outparcels (peripheral buildings or pads located on the perimeter of the center adjacent to the streets and major access points). These buildings are typically drive-in banks, retail stores, restaurants, or small offices. Although the data herein do not indicate which of the centers studied included peripheral buildings, it can be assumed that some of the data show their effect.

The parking demand data plots and analysis are based on the total gross leasable area (GLA) of the center. In cases of smaller centers without an enclosed mall or peripheral buildings, the GLA could be the same as the gross floor area (GFA) of the center.

The average parking supply ratios for the study sites with parking supply information are the following:

- 5.1 spaces per 1,000 square feet GFA (137 sites) in a general urban/suburban setting
- 4.7 spaces per 1,000 square feet GFA (five sites) in a dense multi-use urban setting

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alabama, Alberta (CAN), Arizona, California, Colorado, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, North Carolina, New Jersey, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Virginia, and Washington.

Future data submissions should attempt to provide information on the composition of each study site (types and number of stores, restaurants, or other tenants within the shopping center).

Source Numbers

3, 18, 21, 32, 39, 47, 87, 88, 89, 103, 142, 145, 152, 153, 154, 174, 175, 176, 179, 202, 203, 204, 205, 209, 215, 219, 224, 241, 265, 274, 313, 314, 315, 431, 432, 433, 436, 438, 441, 511, 525, 527, 531, 533, 542, 556, 558, 565

Shopping Center - Non-December (820)

Peak Period Parking Demand vs: 1000 Sq. Ft. GLA

On a: Weekday (Monday - Thursday)

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 12:00 - 6:00 p.m.

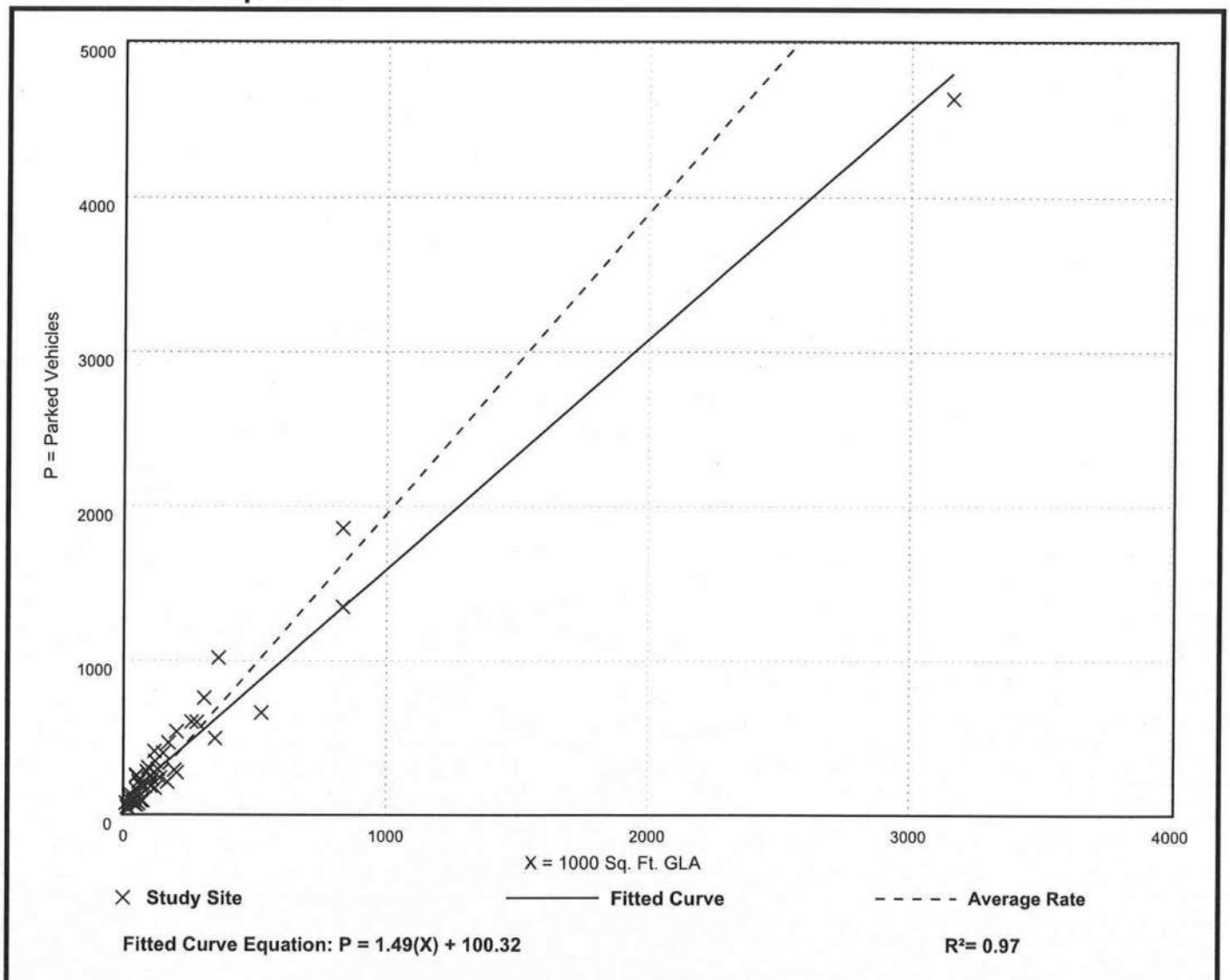
Number of Studies: 46

Avg. 1000 Sq. Ft. GLA: 218

Peak Period Parking Demand per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|--|
| 1.95 | 1.27 - 7.98 | 1.99 / 3.68 | 1.73 - 2.17 | 0.75 (38%) |

Data Plot and Equation



Shopping Center - Non-December (820)

Peak Period Parking Demand vs: 1000 Sq. Ft. GLA

On a: Saturday

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 11:00 a.m. - 5:00 p.m.

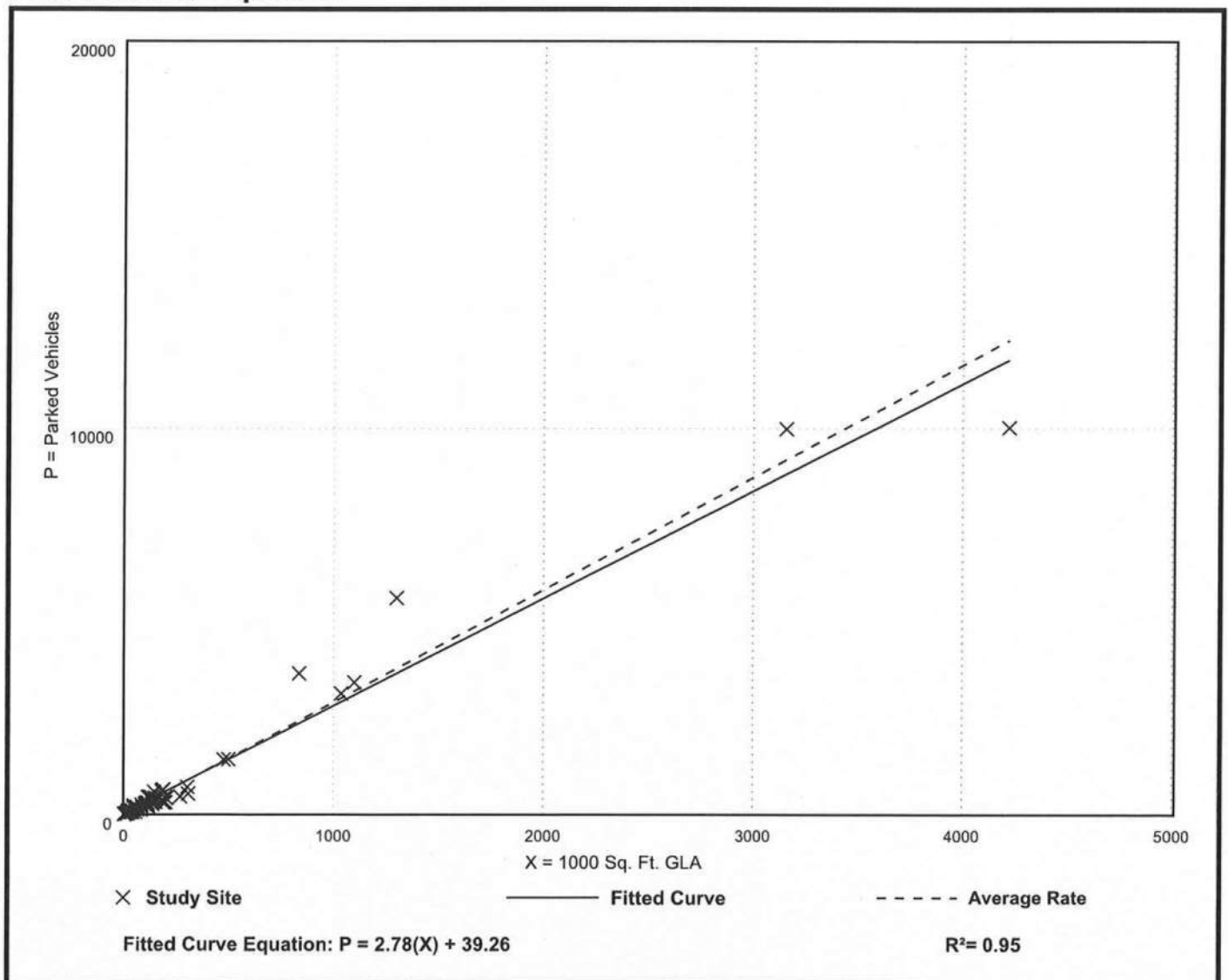
Number of Studies: 58

Avg. 1000 Sq. Ft. GLA: 313

Peak Period Parking Demand per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|--|
| 2.91 | 1.15 - 4.72 | 2.27 / 3.74 | 2.72 - 3.10 | 0.74 (25%) |

Data Plot and Equation



Shopping Center - December (820)

Peak Period Parking Demand vs: 1000 Sq. Ft. GLA

On a: Weekday (Monday - Thursday)

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 12:00 - 6:00 p.m.

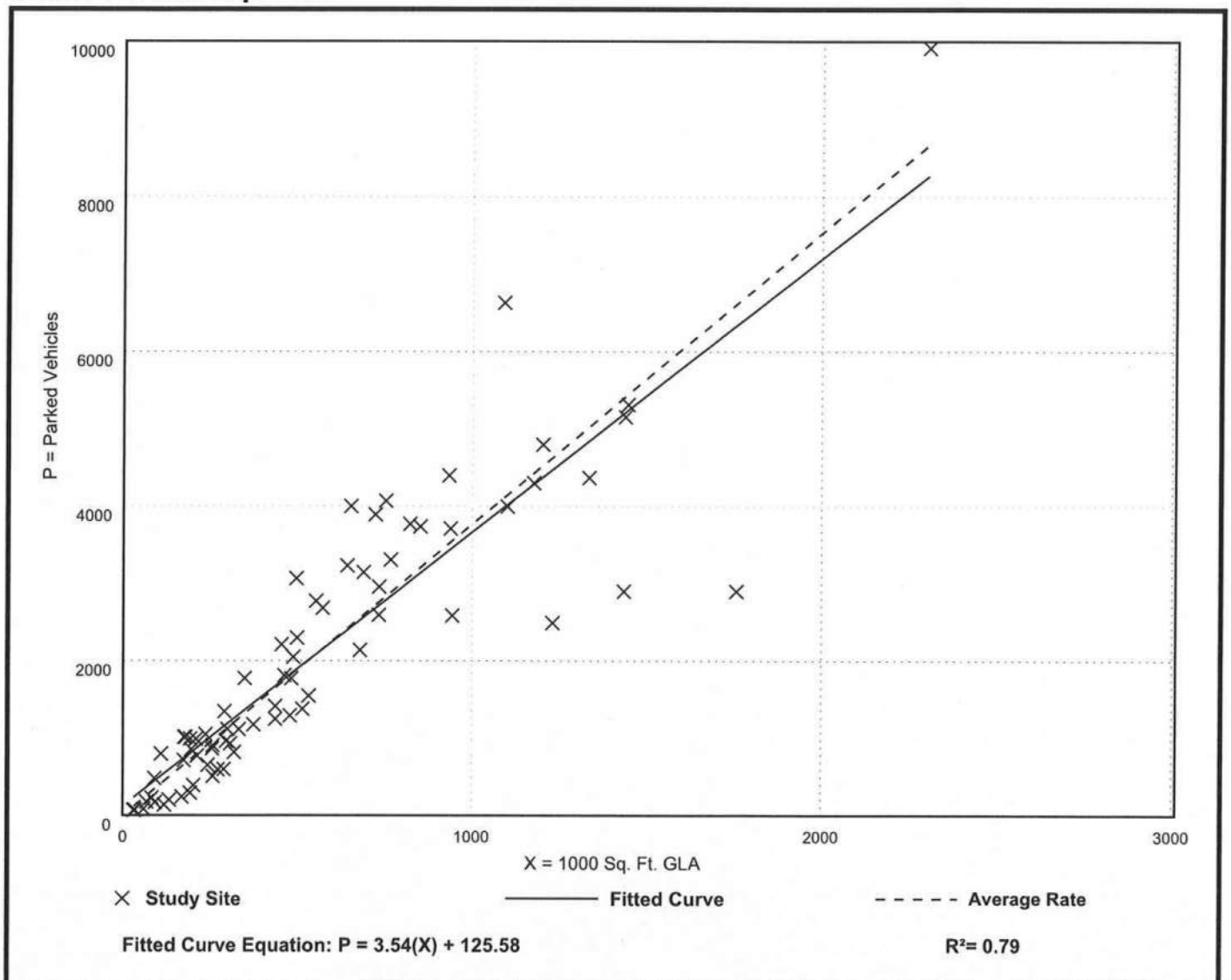
Number of Studies: 73

Avg. 1000 Sq. Ft. GLA: 546

Peak Period Parking Demand per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|--|
| 3.77 | 1.17 - 7.37 | 2.96 / 5.07 | 3.50 - 4.04 | 1.19 (32%) |

Data Plot and Equation



Shopping Center - December (820)

Peak Period Parking Demand vs: 1000 Sq. Ft. GLA

On a: Saturday

Setting/Location: General Urban/Suburban

Peak Period of Parking Demand: 11:00 a.m. - 5:00 p.m.

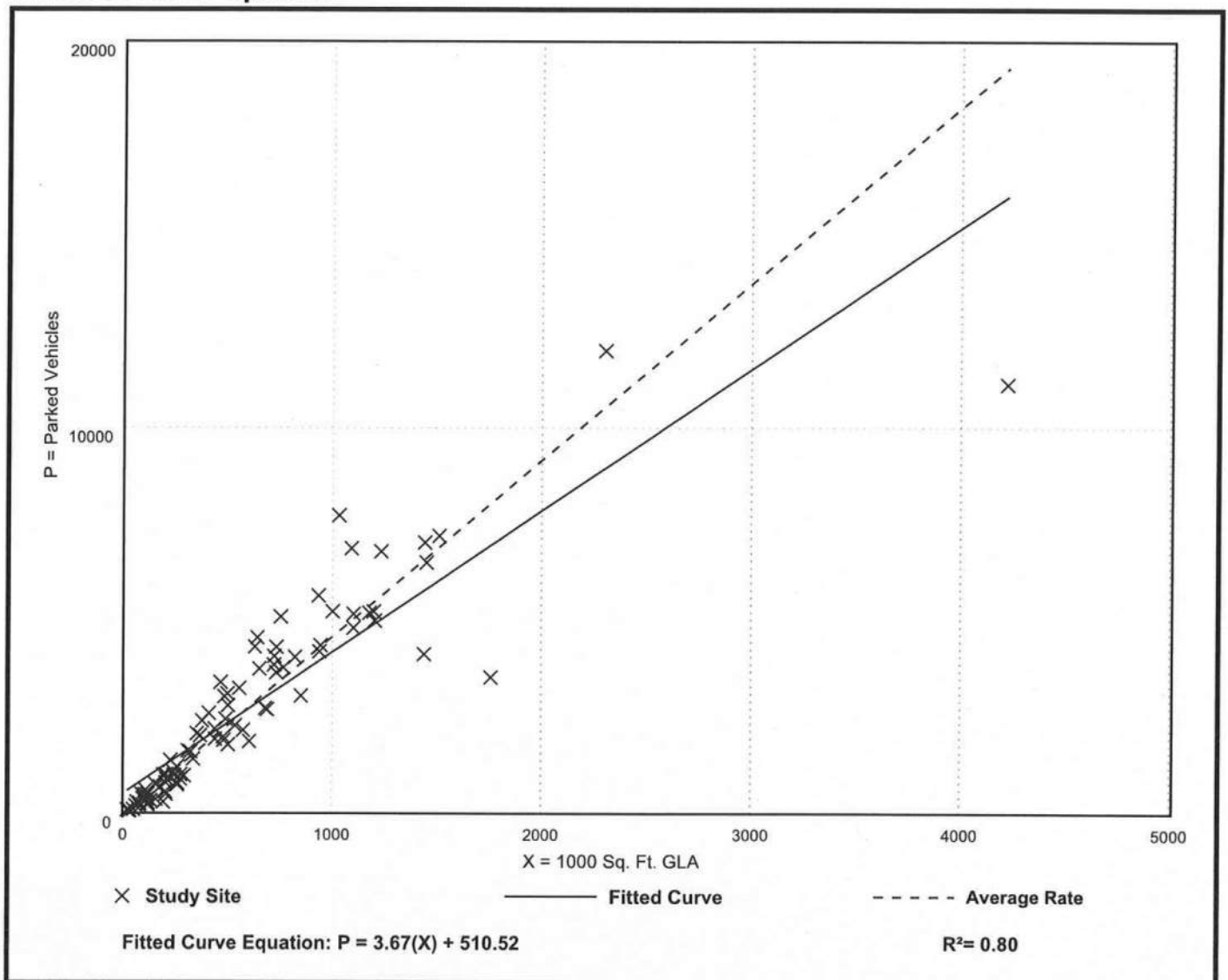
Number of Studies: 93

Avg. 1000 Sq. Ft. GLA: 560

Peak Period Parking Demand per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | 33rd / 85th Percentile | 95% Confidence Interval | Standard Deviation (Coeff. of Variation) |
|--------------|----------------|------------------------|-------------------------|---|
| 4.58 | 1.56 - 7.50 | 3.97 / 5.90 | 4.31 - 4.85 | 1.33 (29%) |

Data Plot and Equation



APPENDIX E

Walmart located at 5571 W
 Hillsboro Blvd
 Coconut Creek, FL 33073



(386) 341-4186

<https://detraffic.com>

| Start Time | Lot B1 | Lot B2 | Lot B3 | Lot B4 | Lot B5 | Total |
|--------------------------|--------|--------|--------|--------|--------|-------|
| 02/13/2025 Thursday | | | | | | |
| available parking | | | | | | |
| 12:00 PM | 5 | 21 | 22 | 20 | 3 | 71 |
| 12:15 PM | 5 | 16 | 20 | 9 | 2 | 52 |
| 12:30 PM | 4 | 17 | 22 | 8 | 2 | 53 |
| 12:45 PM | 2 | 11 | 21 | 7 | 1 | 42 |
| 1:00 PM | 3 | 18 | 18 | 11 | 2 | 52 |
| 1:15 PM | 3 | 20 | 16 | 12 | 3 | 54 |
| 1:30 PM | 4 | 16 | 17 | 10 | 3 | 50 |
| 1:45 PM | 5 | 18 | 16 | 9 | 2 | 50 |
| 2:00 PM | 2 | 19 | 15 | 8 | 2 | 46 |
| 2:15 PM | 2 | 17 | 13 | 10 | 1 | 43 |
| 2:30 PM | 3 | 16 | 14 | 12 | 2 | 47 |
| 2:45 PM | 4 | 15 | 11 | 9 | 3 | 42 |
| 3:00 PM | 3 | 13 | 13 | 12 | 2 | 43 |
| 3:15 PM | 5 | 20 | 22 | 20 | 3 | 70 |
| 3:30 PM | 5 | 19 | 16 | 11 | 2 | 53 |
| 3:45 PM | 4 | 16 | 19 | 15 | 2 | 56 |
| 4:00 PM | 4 | 17 | 18 | 13 | 2 | 54 |
| 4:15 PM | 3 | 18 | 18 | 8 | 2 | 49 |
| 4:30 PM | 4 | 15 | 17 | 9 | 3 | 48 |
| 4:45 PM | 4 | 14 | 19 | 7 | 3 | 47 |
| 5:00 PM | 5 | 12 | 19 | 7 | 2 | 45 |
| | 5 | 12 | 19 | 7 | 2 | 45 |
| | | | | | | 1041 |

Walmart located at 5571 W
 Hillsboro Blvd
 Coconut Creek, FL 33073



(386) 341-4186

<https://detraffic.com>

02/15/2025 Saturday

Start Time

available parking

| | Lot B1 | Lot B2 | Lot B3 | Lot B4 | Lot B5 | Total |
|----------|----------|-----------|-----------|-----------|----------|-----------|
| | 5 | 21 | 22 | 20 | 3 | 71 |
| 11:00 AM | 5 | 13 | 22 | 17 | 3 | 60 |
| 11:15 AM | 5 | 13 | 21 | 18 | 3 | 60 |
| 11:30 AM | 4 | 13 | 22 | 16 | 3 | 58 |
| 11:45 AM | 5 | 14 | 22 | 18 | 3 | 62 |
| 12:00 PM | 5 | 14 | 19 | 17 | 3 | 58 |
| 12:15 PM | 5 | 15 | 19 | 15 | 3 | 57 |
| 12:30 PM | 4 | 15 | 20 | 15 | 3 | 57 |
| 12:45 PM | 5 | 15 | 22 | 15 | 3 | 60 |
| 1:00 PM | 5 | 15 | 22 | 15 | 3 | 60 |
| 1:15 PM | 5 | 14 | 22 | 14 | 3 | 58 |
| 1:30 PM | 4 | 15 | 22 | 14 | 3 | 58 |
| 1:45 PM | 5 | 18 | 22 | 13 | 3 | 61 |
| 2:00 PM | 5 | 16 | 22 | 13 | 3 | 59 |
| 2:15 PM | 5 | 17 | 22 | 12 | 3 | 59 |
| 2:30 PM | 5 | 21 | 21 | 13 | 3 | 63 |
| 2:45 PM | 5 | 21 | 22 | 13 | 3 | 64 |
| 3:00 PM | 5 | 21 | 22 | 13 | 3 | 64 |
| 3:15 PM | 5 | 20 | 19 | 13 | 3 | 60 |
| 3:30 PM | 4 | 20 | 22 | 12 | 3 | 61 |
| 3:45 PM | 5 | 21 | 21 | 11 | 3 | 61 |
| 4:00 PM | 5 | 17 | 18 | 10 | 3 | 53 |
| 4:15 PM | 4 | 17 | 17 | 11 | 3 | 52 |
| 4:30 PM | 5 | 15 | 17 | 11 | 3 | 51 |
| 4:45 PM | 5 | 15 | 17 | 11 | 3 | 51 |
| 5:00 PM | 5 | 15 | 17 | 11 | 3 | 51 |

1218

