

Bowman

November 5, 2025

Benjamin Restrepo, P.E.
City of Fort Lauderdale
700 NW 19th Avenue
Fort Lauderdale FL 33311

**RE: International Swimming Hall of Fame Redevelopment
Traffic Study
Bowman Project No. 314346-01-001**

Bowman Consulting Group, Ltd. (Bowman) has completed a traffic study for the redevelopment of the International Swimming Hall of Fame site, located at the southwest corner of SR-A1A/Seabreeze Boulevard and SE 5 Street, in the City of Fort Lauderdale, Florida. The site currently includes 12,420 square feet of enclosed building space for the aquatic center and has also previously included 26,600 square feet of museum space, with operations suspended for this proposed redevelopment. The proposed development, with an anticipated buildout year of 2028, will include the 12,420 square feet of aquatic center, 4,989 square feet of fire and rescue station (Ocean Rescue Building), 97,406 square feet of aquarium, the new Swimming Hall of Fame Museum, and event space (West Building), and 7,027 square feet of restaurant (West Building). **Figure 1** graphically depicts the site location. The site plan and the existing Aquatic Center buildings specifications are attached in **Attachment A**.

Figure 1 Site Location



A traffic methodology letter was prepared based on several meetings with City staff. The traffic methodology letter is attached in **Attachment B**. There have been slight modifications to the proposed land uses since the methodology was developed.

2090 Palm Beach Lakes Boulevard, Suite 400, West Palm Beach, FL 33409
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Land Uses

The redevelopment of the site will include the existing aquatic center, an Ocean Rescue Building, and a West Building, which is a 6-level building, plus a mezzanine area. The proposed land uses per building are shown on **Table 1**.

Table 1 Building Land Use Summary

BUILDING	PROPOSED INTENSITY	BUILDING USES
Aquatic Center		
Building A	3,408 SF	Pool equipment
Building B	3,563 SF	Restrooms, Concession
South Building	5,449 SF	Multi purpose
Total Aquatic Center	12,420 SF	
Ocean Rescue Building		
	4,989 SF	Fire and Rescue Station
Total Ocean Rescue	4,989 SF	
West Building		
Ground Floor	27,545 SF	Aquarium
Mezzanine	6,460 SF	Aquarium
Level 2	49,737 SF	Parking Garage
Level 3	49,737 SF	Parking Garage
Level 4	49,737 SF	Museum, Event Space
Level 5	6,929 SF	Storage
Level 6	13,762 SF	Event Space, Restaurant
Total West Bldg Less Parking	104,433 SF	

Trip Generation Analysis

Using trip generation information obtained from the Institute of Transportation Engineers (ITE), *Trip Generation Manual*, 11th Edition, trip generation estimates were developed for the proposed land uses. Based on the traffic methodology for the West Building, Land Use 580 - Museum was used for the museum, event, and aquarium land uses. For the aquatic center, only the enclosed building areas were used for the analysis. This excludes the upper deck area of Building B and the viewing deck of the South Building.

Given the site location, it is expected that a portion of the traffic to/from the site would be via walking, biking, transit, or water taxi. A five (5) percent multimodal reduction was taken based on the Bahia Mar Traffic Study, dated June 2017.

The trip generation analysis is summarized in **Table 2** and indicates that the site is expected to generate 951 daily trips, 85 AM peak hour trips, and 75 PM peak hour trips. Excerpts from ITE are attached in **Attachment C**.



Table 2 Trip Generation Analysis

LAND USE	ITE CODE	INTENSITY	TRIP GENERATION RATE ⁽¹⁾	IN	OUT	TOTAL TRIPS			MULTIMODAL REDUCTION ⁽²⁾				NEW TRIPS		
						IN	OUT	TOTAL	IN	OUT	TOTAL	%	IN	OUT	TOTAL
EXISTING/PREVIOUS USE															
Museum ⁽³⁾	580	26,600 SF	T ₁ = 3.11 (X)	50%	50%	42	41	83	2	2	4	5%	40	39	79
Aquatic Center	495	12,420 SF	T ₁ = 28.82 (X)	50%	50%	179	179	358	9	9	18	5%	170	170	340
SUBTOTAL						221	220	441	11	11	22		210	209	419
PROPOSED USE															
Fire and Rescue Station ⁽⁴⁾	575	4,989 SF	T ₁ = 5.33 (X)	50%	50%	14	13	27	0	0	0	0%	14	13	27
Museum, Aquarium and Event Space ⁽⁴⁾	580	97,406 SF	T ₂ = 3.11 (X)	50%	50%	151	152	303	7	8	15	5%	144	144	288
Restaurant	932	7,027 SF	T ₁ = 107.20 (X)	50%	50%	377	376	753	19	19	38	5%	358	357	715
Aquatic Center	495	12,420 SF	T ₁ = 28.82 (X)	50%	50%	179	179	358	9	9	18	5%	170	170	340
SUBTOTAL						721	720	1,441	35	36	71		686	684	1,370
TOTAL						500	500	1,000	24	25	49		476	475	951

(1) ITE Trip Generation Manual, 11th Edition.
 (2) A multimodal reduction of five (5) percent was used based on the Bahia Mar Traffic Study, dated June 2017.
 (3) Daily rate was calculated based on assuming a c factor of 9%.

AM PEAK HOUR

LAND USE	ITE CODE	INTENSITY	TRIP GENERATION RATE ⁽¹⁾	IN	OUT	TOTAL TRIPS			MULTIMODAL REDUCTION ⁽²⁾				NEW TRIPS		
						IN	OUT	TOTAL	IN	OUT	TOTAL	%	IN	OUT	TOTAL
EXISTING/PREVIOUS USE															
Museum	580	26,600 SF	T ₁ = 0.28 (X)	86%	14%	6	1	7	0	0	0	5%	6	1	7
Aquatic Center	495	12,420 SF	T ₁ = 1.91 (X)	66%	34%	16	8	24	1	0	1	5%	15	8	23
SUBTOTAL						22	9	31	1	0	1		21	9	30
PROPOSED USE															
Fire and Rescue Station ⁽³⁾	575	4,989 SF	T ₁ = 0.48 (X)	71%	29%	1	1	2	0	0	0	0%	1	1	2
Museum, Aquarium and Event Space	580	97,406 SF	T ₁ = 0.28 (X)	86%	14%	23	4	27	1	0	1	5%	22	4	26
Restaurant	932	7,027 SF	T ₁ = 5.57 (X)	55%	45%	37	30	67	2	1	3	5%	35	29	64
Aquatic Center	495	12,420 SF	T ₁ = 1.91 (X)	66%	34%	16	8	24	1	0	1	5%	15	8	23
SUBTOTAL						77	43	120	4	1	5		73	42	115
TOTAL						55	34	89	3	1	4		52	33	85

(1) ITE Trip Generation Manual, 11th Edition.
 (2) A multimodal reduction of five (5) percent was used based on the Bahia Mar Traffic Study, dated June 2017.
 (3) AM rate assumed to be the same as PM rate with the AM/PM split reversed.

PM PEAK HOUR

LAND USE	ITE CODE	INTENSITY	TRIP GENERATION RATE ⁽¹⁾	IN	OUT	TOTAL TRIPS			MULTIMODAL REDUCTION ⁽²⁾				NEW TRIPS		
						IN	OUT	TOTAL	IN	OUT	TOTAL	%	IN	OUT	TOTAL
EXISTING/PREVIOUS USE															
Museum	580	26,600 SF	T ₁ = 0.18 (X)	16%	84%	1	4	5	0	0	0	5%	1	4	5
Aquatic Center	495	12,420 SF	T ₁ = 2.50 (X)	47%	53%	15	16	31	1	1	2	5%	14	15	29
SUBTOTAL						16	20	36	1	1	2		15	19	34
PROPOSED USE															
Fire and Rescue Station ⁽³⁾	575	4,989 SF	T ₁ = 0.48 (X)	29%	71%	1	1	2	0	0	0	0%	1	1	2
Museum, Aquarium and Event Space	580	97,406 SF	T ₁ = 0.18 (X)	16%	84%	3	15	18	0	1	1	5%	3	14	17
Restaurant	932	7,027 SF	T ₁ = 9.05 (X)	61%	39%	39	25	64	2	1	3	5%	37	24	61
Aquatic Center	495	12,420 SF	T ₁ = 2.50 (X)	47%	53%	15	16	31	1	1	2	5%	14	15	29
SUBTOTAL						58	57	115	3	3	6		55	54	109
TOTAL						42	37	79	2	2	4		40	35	75

(1) ITE Trip Generation Manual, 11th Edition.
 (2) A multimodal reduction of five (5) percent was used based on the Bahia Mar Traffic Study, dated June 2017.

Per the City of Fort Lauderdale Code of Ordinances, Section 47-25.2(M)(4), a traffic impact study is required when the proposed development may generate over 1,000 daily trips. Based on the results of the trip generation analysis for the site, the daily trips are expected to be less than 1,000 trips; therefore, no additional analysis is required.

Bowman

Should you have any questions or comments regarding this analysis, please do not hesitate to contact me.



State of Florida, Board of Professional Engineers

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4 of 4

Attachment A

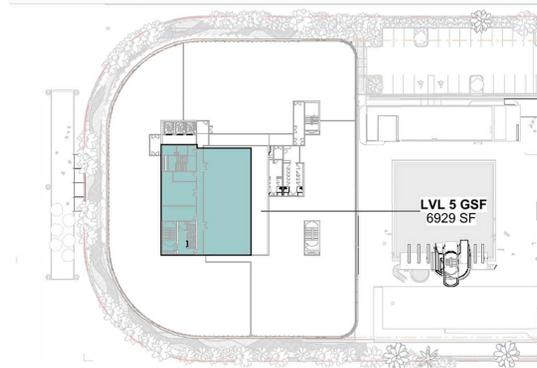
Site Plan

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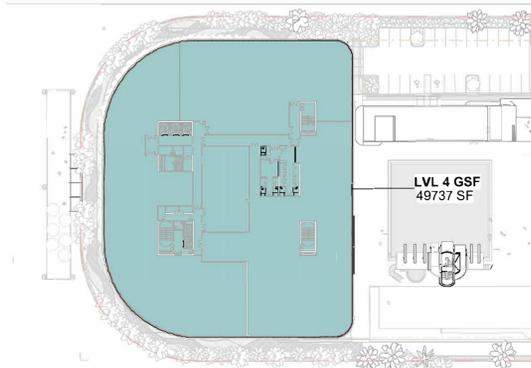
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PROPOSED FLOOR AREA

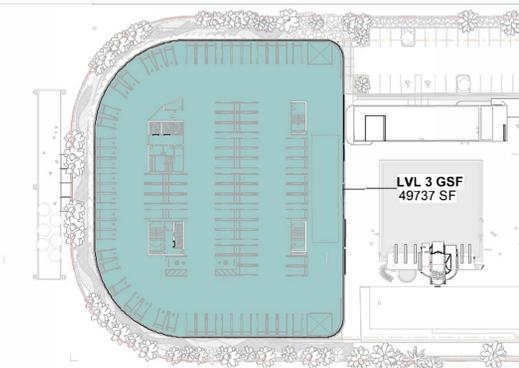
GROUND	27,545 SF
MEZZ.	6,460 SF
LVL 2	49,737 SF
LVL 3	49,737 SF
LVL 4	49,737 SF
LVL 5	6,929 SF
LVL 6	13,762 SF
TOTAL	203,907 SF



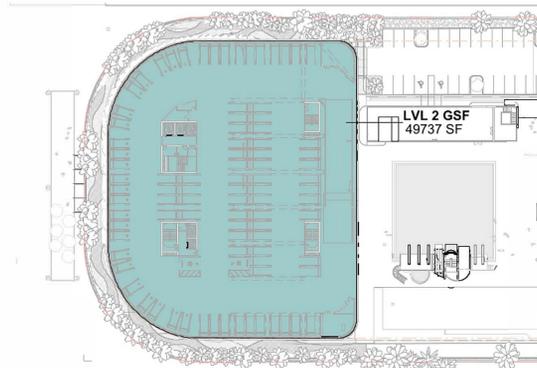
6 WEST BUILDING - LEVEL 05
1/64" = 1'-0"



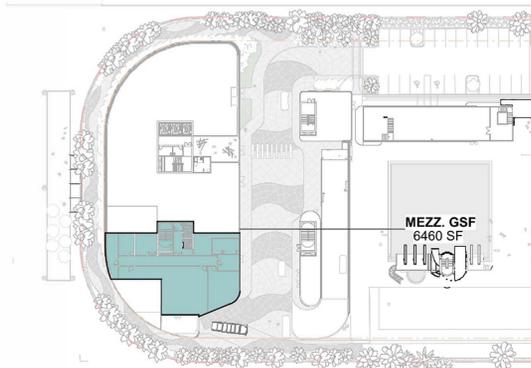
5 WEST BUILDING - LEVEL 04
1/64" = 1'-0"



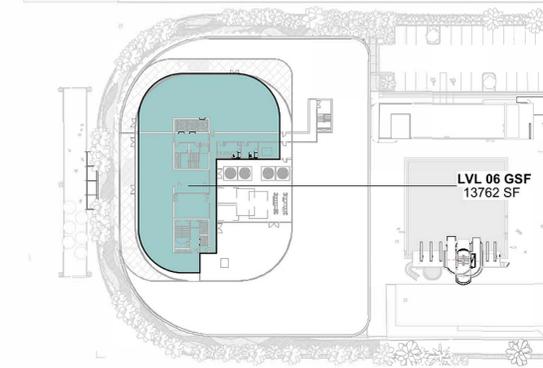
4 WEST BUILDING - LEVEL 03
1/64" = 1'-0"



3 WEST BUILDING - LEVEL 02
1/64" = 1'-0"



2 WEST BUILDING - MEZZANINE
1/64" = 1'-0"



7 WEST BUILDING - LEVEL 06
1/64" = 1'-0"

ARQUITECTONICA

OWNER:
 CITY OF FORT LAUDERDALE
 528 NW 2 ST
 FORT LAUDERDALE, FL 33311
 TEL: 954.528.8000
 DEVELOPER:
 HALL OF FAME PARTNERS
 55 NE 5TH AVENUE, SUITE 501
 BOCA RATON, FL 33432
 DESIGN BUILDER:
 HENSEL PHELPS
 888 SE 3RD AVENUE, SUITE 200
 FT. LAUDERDALE, FL 33316
 TEL: 954.870.6599

ARCHITECT:
 ARQUITECTONICA
 2900 OAK AVENUE
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 TEL: 305.372.1812

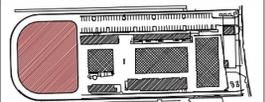
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 FORT LAUDERDALE, FL 33301
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MEPFP ENGINEER:
 KAMM CONSULTING
 1407 WEST NEWPORT CENTER DR.
 DEERFIELD BEACH, FL 33442
 TEL: 954.949.2200

PROJECT
ISHOF - WEST BUILDING
 501 Seabreeze Blvd., Fort Lauderdale, FL 33316

KEY PLAN:



Δ	DESCRIPTION	DATE
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PROJECT NORTH:
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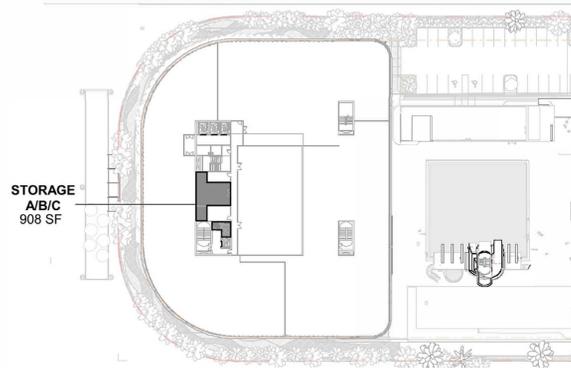
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PROGRAM USE AREA

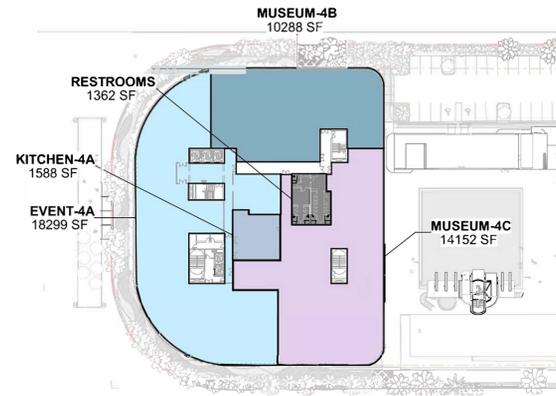
AQUARIUM	=	17,052 SF
MUSEUM (4B)	=	10,288 SF
MUSEUM (4C)	=	14,152 SF
EVENT (4A)	=	15,583 SF
EVENT (6B) INT/EXT SPACE	=	8,011 SF
KITCHEN (4A)	=	1,588 SF
KITCHEN (6A)	=	663 SF
STORAGE - GENERAL (4)	=	1,217 SF
STORAGE - GENERAL (5)	=	993 SF
TOTAL BUILDING USE AREA		69,547 SF
RESTAURANT (6A) INT/EXT	=	6,364 SF
TOTAL INCLUDING RESTAURANT		75,911 SF

PROGRAM USE CALCULATED AS

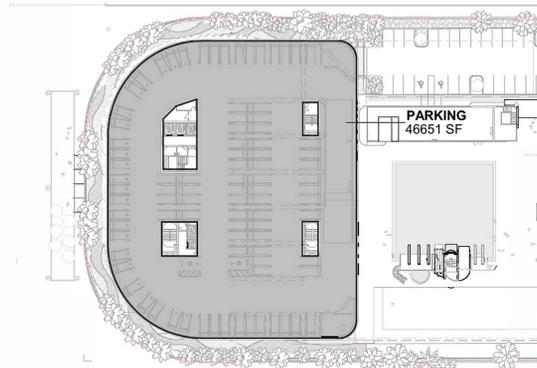
GROSS FLOOR AREA ; MINUS ;
ELEVATOR, STAIRS, MECHANICAL, EQUIPMENT AREAS



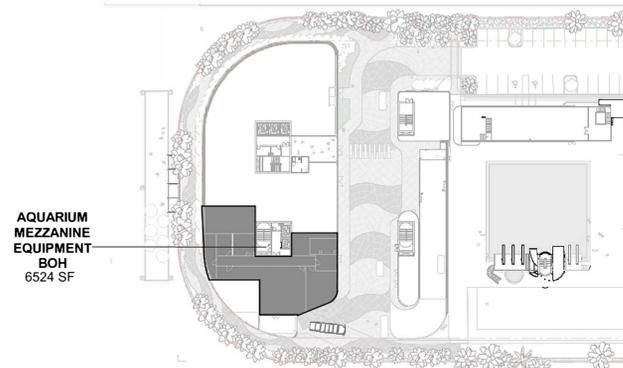
6 WEST BUILDING - LEVEL 05 AREA
1/64" = 1'-0"



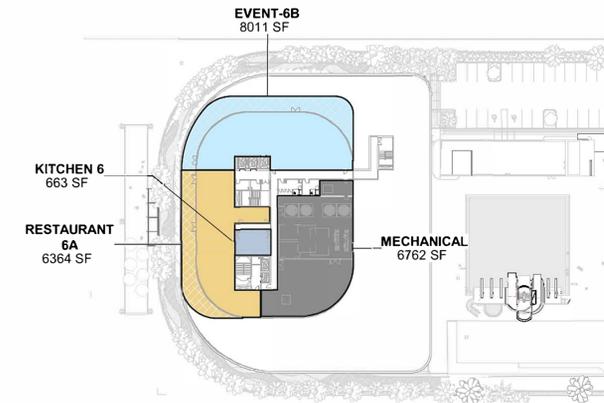
5 WEST BUILDING - LEVEL 04 AREA
1/64" = 1'-0"



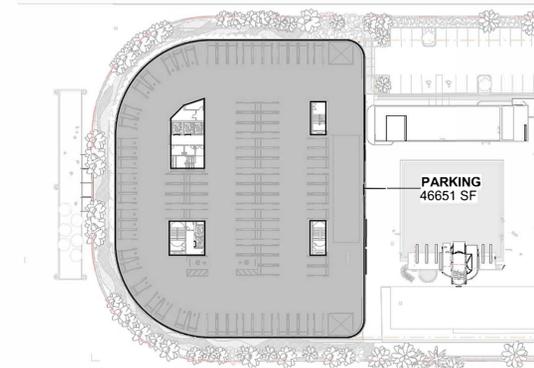
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1/64" = 1'-0"



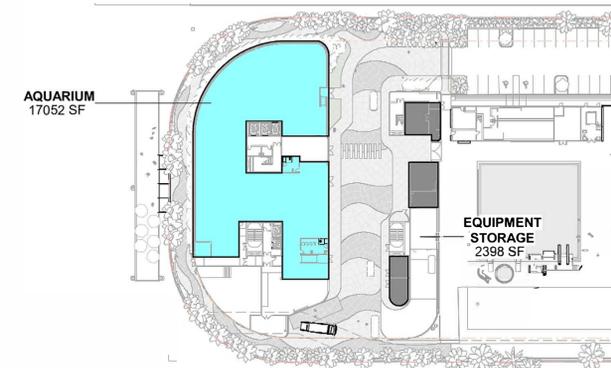
2 WEST BUILDING - MEZZANINE AREA
1/64" = 1'-0"



7 WEST BUILDING - LEVEL 06 AREA
1/64" = 1'-0"



4 WEST BUILDING - LEVEL 03 AREA
1/64" = 1'-0"



1 WEST BUILDING - GROUND FLOOR AREA
1/64" = 1'-0"

ARQUITECTONICA

OWNER:
CITY OF FORT LAUDERDALE
528 NW 2 ST
FORT LAUDERDALE, FL 33311
TEL: 954.528.8000

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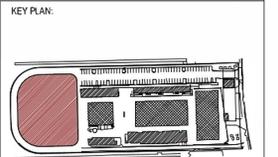
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G-111

EXISTING AQUATIC CENTER

BUILDING 'A' FBC - 2017 6th. Edition			
LOCATION/DESCRIPTION	AREA	OCCUPANT LOAD PER CODE	TOTAL OCCUPANT
A001 - POOL FILTRATION ROOM	739 S.F.	1/300	5
A002 - POOL EQUIPMENT PIT	532 S.F.	1/50	4
A003 - CHEMICAL ROOM	171 S.F.	1/50	3
A004 - HEAT PUMP ROOM	843 S.F.	1/50	2
A005 - CHEMICAL ROOM	99 S.F.	1/50	2
A006 - POOL FILTRATION ROOM	307 S.F.	1/300	1
A007 - POOL EQUIPMENT PIT	170 S.F.	1/50	1
A008 - NEW ELECTRICAL ROOM	149 S.F.	1/300	1
A009 - NEW FPL VAULT	395 S.F.	1/300	1
TOTAL	3,408 S.F.		20

BUILDING 'B' FBC - 2017 6th. Edition			
LOCATION/DESCRIPTION	AREA	OCCUPANT LOAD PER CODE	TOTAL OCCUPANT
B101 - LOBBY	430 S.F.	-	-
B102 - JANITORS CLOSET	48 S.F.	1/300	1
B103 - STORAGE	564 S.F.	1/300	2
B104 - FAMILY RESTROOM	50 S.F.	-	-
B105 - WOMEN'S RESTROOM	847 S.F.	-	-
B106 - MEN'S RESTROOM	498 S.F.	-	-
B107 - VESTIBULE	156 S.F.	-	-
B108 - IT CLOSET	45 S.F.	-	-
B109 - TICKETING OFFICE	176 S.F.	1/100	2
B110 - CONCESSION	319 S.F.	1/200	2
B201 - LOBBY	430 S.F.	-	-
B202 - UPPER DECK	2,771 S.F.	1/15	185
TOTAL	6,334 S.F.		192

PROPOSED SOUTH BUILDING AREA CALCULATION FBC - 2017 6th. Edition			
LOCATION/DESCRIPTION	AREA	OCCUPANT LOAD PER CODE	TOTAL OCCUPANT
ASSEMBLY - STANDING SPACE	1,239 S.F.	1/15	83
VIEWING DECK	1,239 S.F.		
BUSINESS	3,938 S.F.	1/100	40
OFFICES	1,134 S.F.		
TIMING ROOMS	456 S.F.		
LIFEGUARD	219 S.F.		
TEAM MULTI-PURPOSE ROOM	375 S.F.		
FIRST AID	197 S.F.		
RECEPTIONIST	125 S.F.		
CONFERENCE ROOMS	944 S.F.		
CUBICLES	488 S.F.		
EXERCISE	1,511 S.F.	1/50	31
WEIGHT ROOM	1,511 S.F.		
GRAND TOTAL OCCUPANT AREA	6,688 S.F.		
GRAND TOTAL OCCUPANT LOAD			154

Attachment B

Traffic Methodology Letter

bowman.com

February 20, 2025

Benjamin Restrepo, P.E.
City of Fort Lauderdale
700 NW 19th Avenue
Fort Lauderdale FL 33311

**RE: International Swimming Hall of Fame Redevelopment – Phase 2 (West Building)
Traffic Methodology
Bowman Project No. 314346-01-001**

Please accept this Traffic Methodology Letter to be used for the Phase 2 redevelopment of the International Swimming Hall of Fame site, located at the southwest corner of SR-A1A/Seabreeze Boulevard and SE 5 Street, in the City of Fort Lauderdale, Florida. The site for the Phase 2 redevelopment is currently vacant land. The proposed development, with an anticipated buildout year of 2028, will include an aquarium, the new Swimming Hall of Fame Museum, and event space. Outdoor seating will also be provided for special event - dive shows. **Figure 1** graphically depicts the site location.

Figure 1 Site Location



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1 of 2

Bowman

Trip Generation

Trip generation for the site will be based on information obtained from the Institute of Transportation Engineers (ITE), *Trip Generation Manual*, 11th Edition. Land Use 580 - Museum will be used for the entire west building and will also include the grandstand area that will be utilized for the dive shows. Multimodal reduction may be taken based on consistency with the Bahia Mar project or census data.

Per the City of Fort Lauderdale Code of Ordinances, Section 47-25.2(M)(4), a traffic impact study is required when the proposed development may generate over 1,000 daily trips. Based on preliminary analysis for the site, the daily trips are expected to be less than 1,000 trips; therefore, no additional analysis is required.

Report

The study methodology and findings will be summarized in a report that will include appropriate graphics and tables.

Should you have any questions or comments regarding this methodology, please do not hesitate to call me.

Sincerely,



Natalia T. Lercari, P.E.
Senior Project Manager

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P: (561) 840-8650
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2 of 2

Attachment C

Trip Generation Information

bowman.com

Land Use: 580

Museum

Description

A museum is a facility that includes displays, shows, exhibits, and/or demonstration of historical, science, nature, art, entertainment, or other cultural significance. Museums can vary widely as to type and clientele.

Additional Data

Due to variation in type of museums, caution should be exercised when using the trip generation rates for this land use because they may not be appropriate for all museum types.

The site surveyed has 45,000 square feet of exhibition space.

The site was surveyed in the 2010s in Tennessee.

Source Number

725



Museum (580)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: **Weekday,**

**Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.**

Setting/Location: General Urban/Suburban

Number of Studies: 1

Avg. 1000 Sq. Ft. GFA: 176

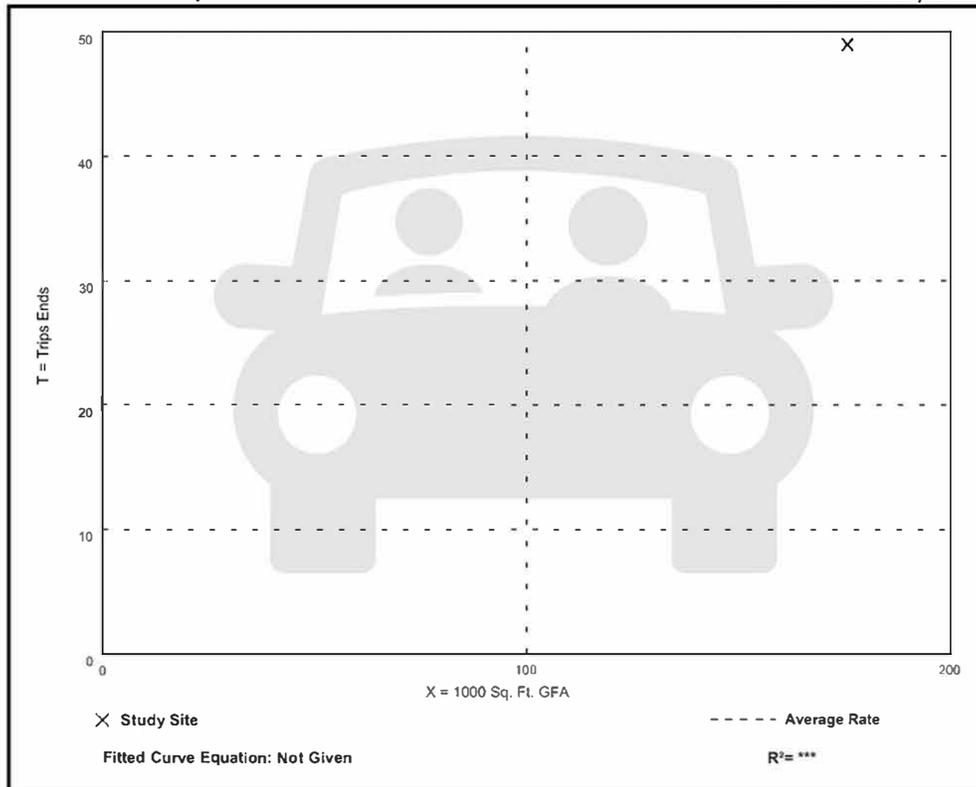
Directional Distribution: 86% entering, 14% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.28	0.28 - 0.28	***

Data Plot and Equation

Caution – Small Sample Size



Museum (580)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: **Weekday,**

**Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.**

Setting/Location: General Urban/Suburban

Number of Studies: 1

Avg. 1000 Sq. Ft. GFA: 176

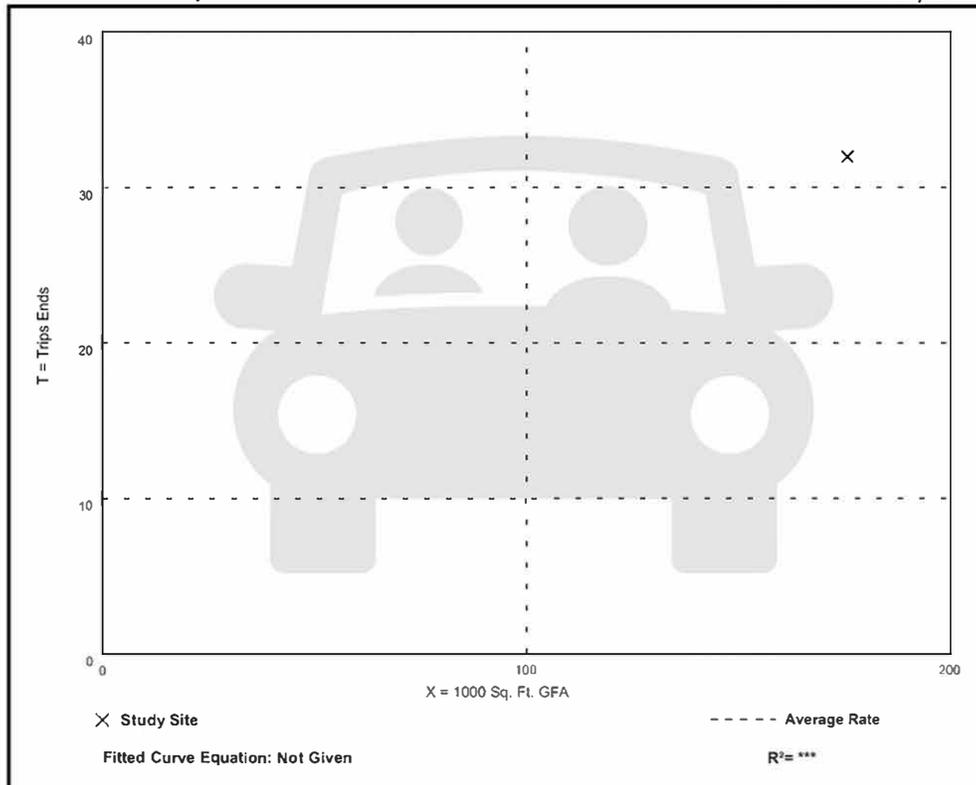
Directional Distribution: 16% entering, 84% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.18	0.18 - 0.18	***

Data Plot and Equation

Caution – Small Sample Size



General Urban/Suburban and Rural (Land Uses 400-799) 585

Land Use: 495

Recreational Community Center

Description

A recreational community center is a stand-alone public facility similar to and including YMCAs. These facilities often include classes and clubs for adults and children, a day care or nursery school, meeting rooms and other social facilities, swimming pools and whirlpools, saunas, tennis, racquetball, handball, pickle ball, basketball and volleyball courts; outdoor athletic fields/courts, exercise classes, weightlifting and gymnastics equipment, locker rooms, and a restaurant or snack bar. Public access is typically allowed and a membership fee may be charged. Racquet/tennis club (Land Use 491), health/fitness club (Land Use 492), and athletic club (Land Use 493) are related land uses.

Additional Data

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (<https://www.ite.org/technical-resources/topics/trip-and-parking-generation/>).

The sites were surveyed in the 1980s, the 1990s, the 2000s, the 2010s, and the 2020s in Alberta (CAN), Arizona, Indiana, Minnesota, New Hampshire, New York, Oregon, Pennsylvania, Tennessee, and Utah.

Source Numbers

281, 410, 443, 571, 618, 705, 719, 850, 866, 971, 1055

Recreational Community Center (495)

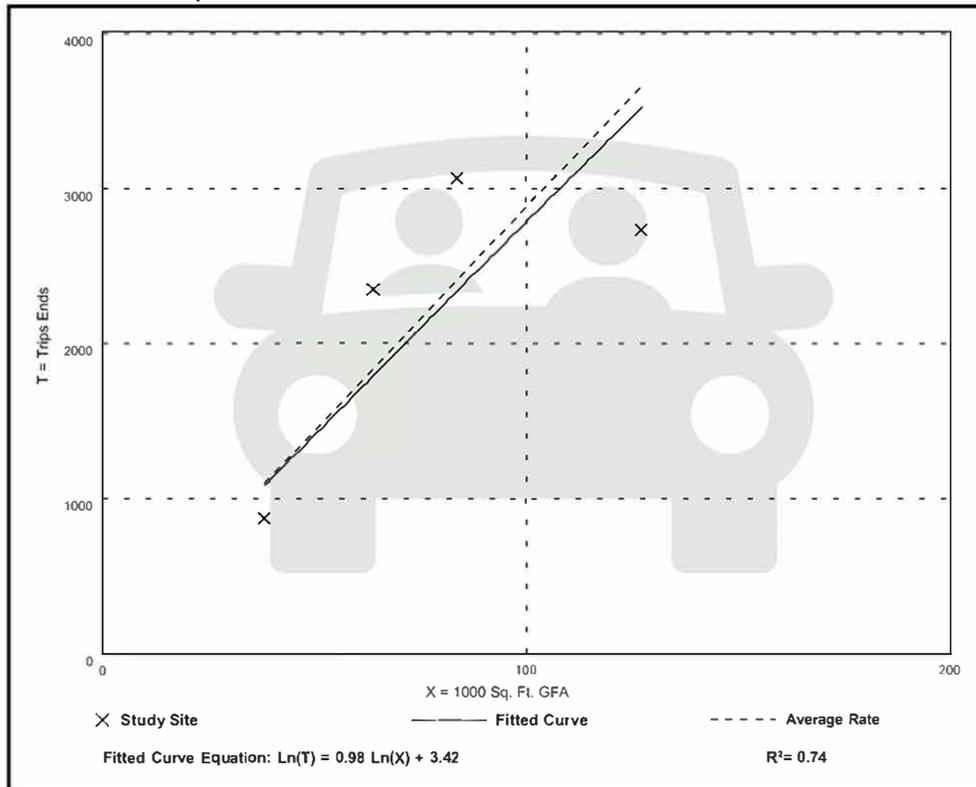
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: **Weekday**

Setting/Location: General Urban/Suburban
Number of Studies: 4
Avg. 1000 Sq. Ft. GFA: 78
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
28.82	21.49 - 36.71	8.56

Data Plot and Equation



Recreational Community Center (495)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: **Weekday,**

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

Number of Studies: 12

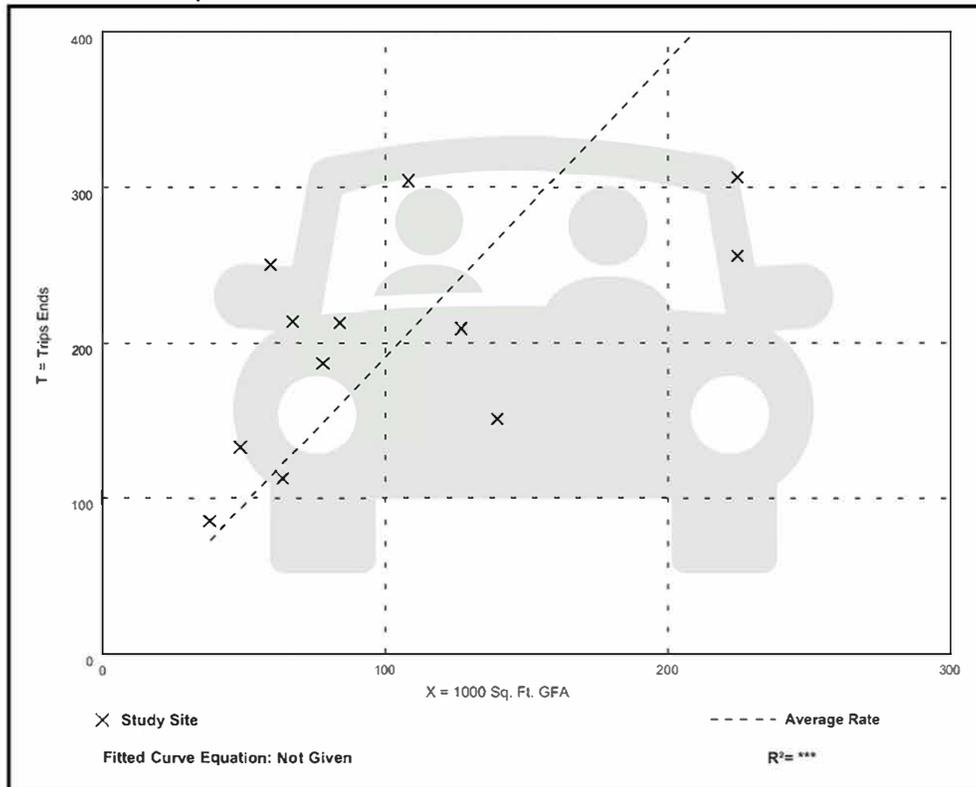
Avg. 1000 Sq. Ft. GFA: 105

Directional Distribution: 66% entering, 34% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
1.91	1.08 - 4.18	0.88

Data Plot and Equation



Recreational Community Center (495)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: **Weekday,**

**Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.**

Setting/Location: General Urban/Suburban

Number of Studies: 15

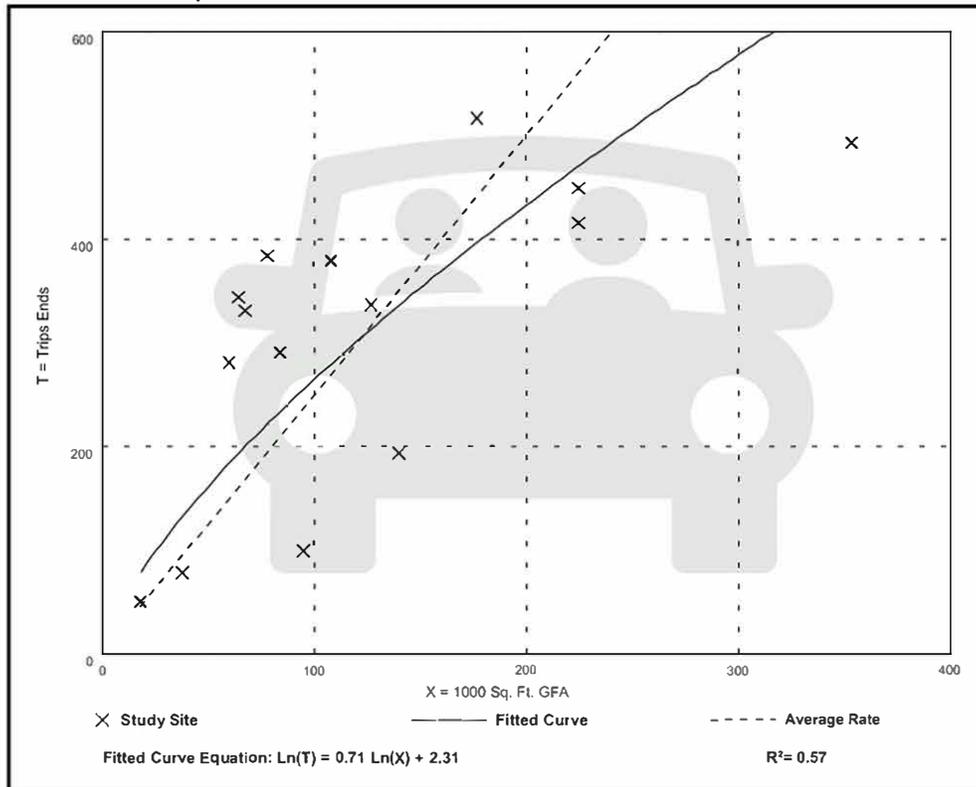
Avg. 1000 Sq. Ft. GFA: 124

Directional Distribution: 47% entering, 53% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
2.50	1.05 - 5.37	1.28

Data Plot and Equation



General Urban/Suburban and Rural (Land Uses 400-799) 285

Land Use: 575

Fire and Rescue Station

Description

A fire and rescue station is a building that houses emergency services equipment, firefighting apparatus, and the individuals that provide emergency firefighting services. Other services sometimes offered through fire and rescue stations include emergency medical, hazardous materials, rescue, safety training, and fire prevention services.

Additional Data

The sites were surveyed in the 2010s in Oregon.

Source Number

940

Fire and Rescue Station (575)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: **Weekday,**

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

Number of Studies: 3

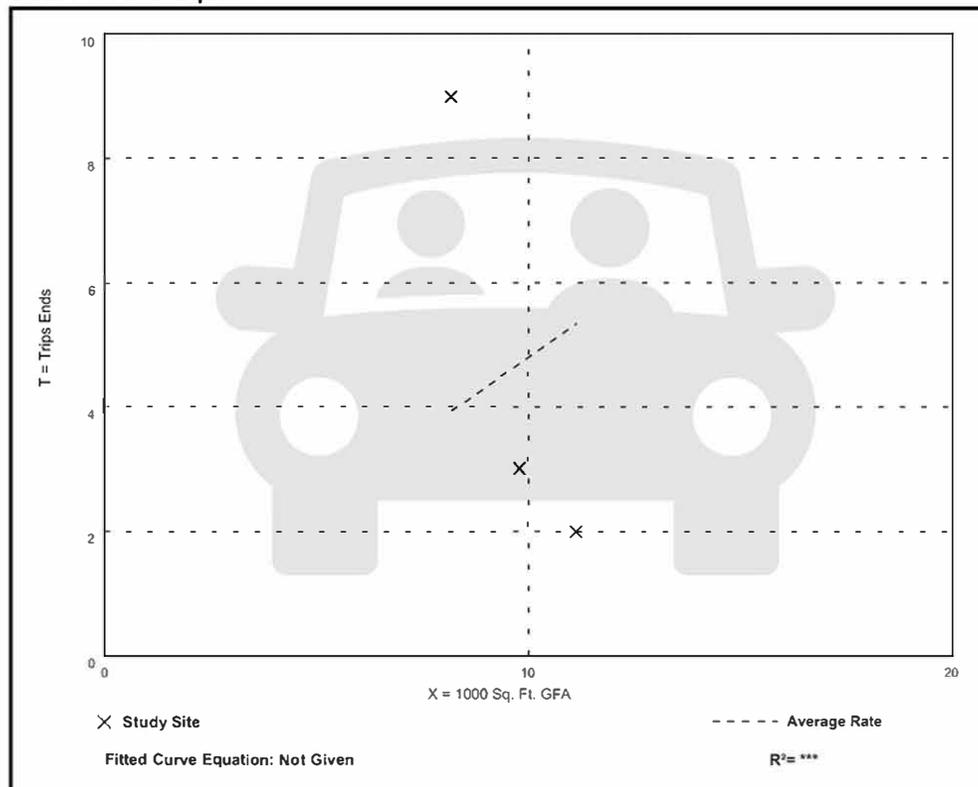
Avg. 1000 Sq. Ft. GFA: 10

Directional Distribution: 29% entering, 71% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
0.48	0.18 - 1.10	0.48

Data Plot and Equation



Land Use: 932

High-Turnover (Sit-Down) Restaurant

Description

This land use consists of sit-down, full-service eating establishments with a typical duration of stay of 60 minutes or less. This type of restaurant is usually moderately priced, frequently belongs to a restaurant chain, and is commonly referred to as casual dining. Generally, these restaurants serve lunch and dinner; they may also be open for breakfast and are sometimes open 24 hours a day. These restaurants typically do not accept reservations. A patron commonly waits to be seated, is served by wait staff, orders from a menu, and pays after the meal.

Some facilities offer carry-out for a small proportion of its customers. Some facilities within this land use may also contain a bar area for serving food and alcoholic drinks.

Fast casual restaurant (Land Use 930), fine dining restaurant (Land Use 931), fast-food restaurant without drive-through window (Land Use 933), and fast-food restaurant with drive-through window (Land Use 934) are related uses.

Additional Data

Users should exercise caution when applying statistics during the AM peak periods, as the sites contained in the database for this land use may or may not be open for breakfast. In cases where it was confirmed that the sites were not open for breakfast, data for the AM peak hour of the adjacent street traffic were removed from the database.

If the restaurant has outdoor seating, its area is not included in the overall gross floor area. For a restaurant that has significant outdoor seating, the number of seats may be more reliable than GFA as an independent variable on which to establish a trip generation rate.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (<https://www.ite.org/technical-resources/topics/trip-and-parking-generation/>).

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), California, Florida, Georgia, Indiana, Kentucky, Massachusetts, Minnesota, New Hampshire, New Jersey, New York, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Texas, Vermont, and Wisconsin.

Source Numbers

126, 269, 275, 280, 300, 301, 305, 338, 340, 341, 358, 384, 424, 432, 437, 438, 444, 507, 555, 577, 589, 617, 618, 728, 868, 884, 885, 903, 927, 939, 944, 961, 962, 977, 1048

High-Turnover (Sit-Down) Restaurant (932)

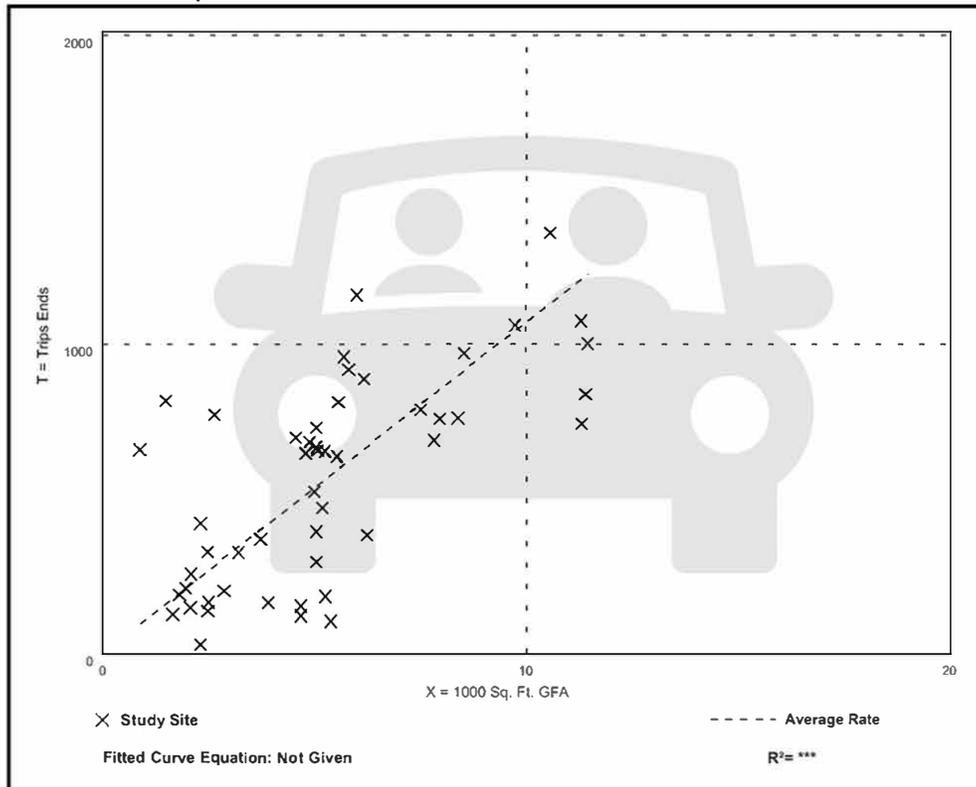
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 50
Avg. 1000 Sq. Ft. GFA: 5
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
107.20	13.04 - 742.41	66.72

Data Plot and Equation



General Urban/Suburban and Rural (Land Uses 800-999) 673

High-Turnover (Sit-Down) Restaurant (932)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: **Weekday,**

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

Number of Studies: 37

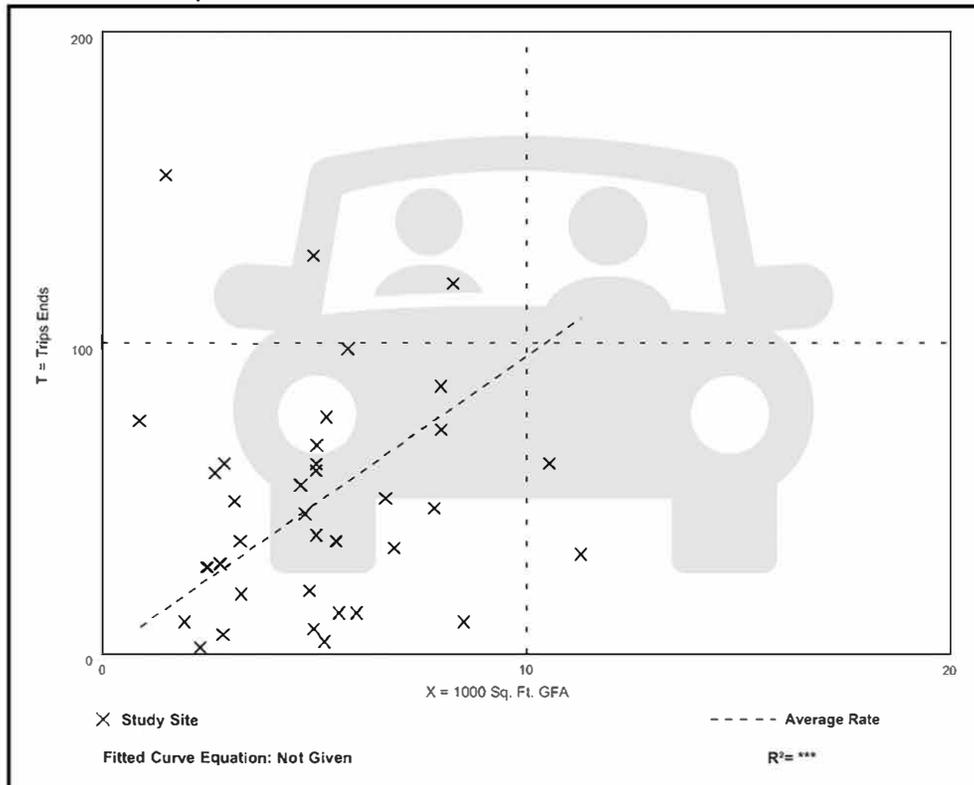
Avg. 1000 Sq. Ft. GFA: 5

Directional Distribution: 55% entering, 45% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
9.57	0.76 - 102.39	11.61

Data Plot and Equation



High-Turnover (Sit-Down) Restaurant (932)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Weekday,

Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

Number of Studies: 104

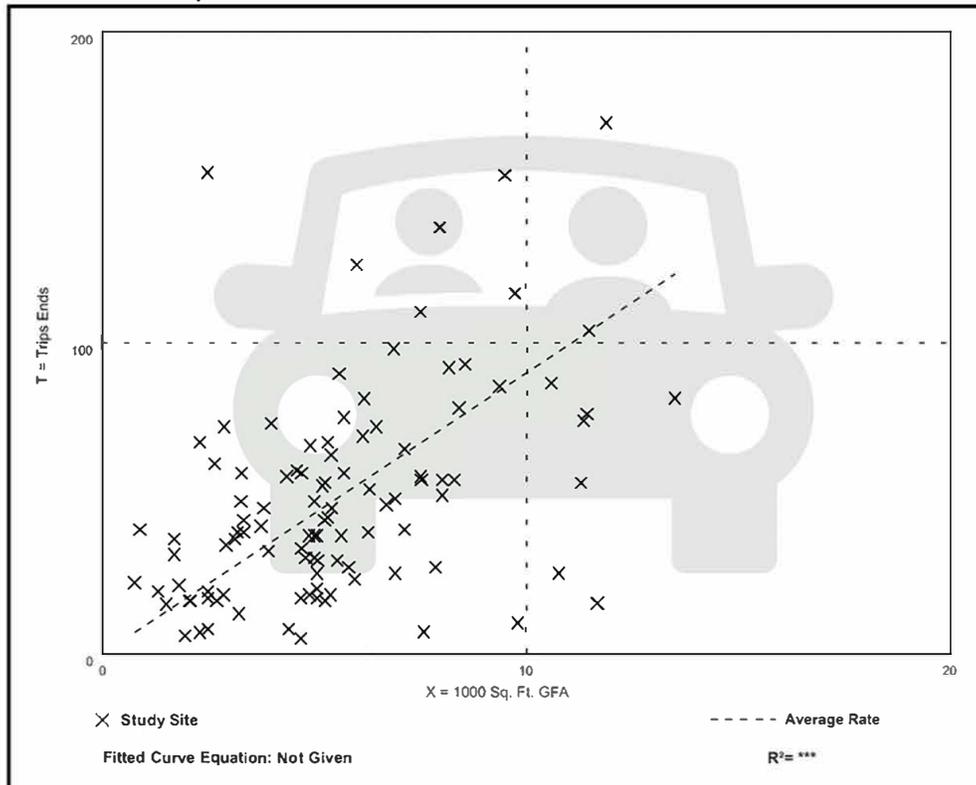
Avg. 1000 Sq. Ft. GFA: 6

Directional Distribution: 61% entering, 39% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
9.05	0.92 - 62.00	6.18

Data Plot and Equation



General Urban/Suburban and Rural (Land Uses 800-999) 675