

City Council Agenda

SAGINAW CITY COUNCIL NOTICE OF MEETING AND WORKSHOP

Meeting, Workshop, and/or Executive Session Agenda

6:00 PM - Tuesday, February 18, 2020

Saginaw City Hall Council Chambers

333 West McLeroy Blvd.

In accordance with Section 551.042 of the Texas Government Code, this agenda has been posted at Saginaw City Hall, and distributed to the appropriate news media within the required time frame. All meetings of the Saginaw City Council are open to the public. Public participation and written comments are invited on all open session business items.

The Mayor and City Council request that all cell phones and pagers be turned off or set to vibrate. Members of the audience are requested to step outside to respond to a page or to conduct a phone conversation.

The City Hall is wheelchair accessible and special parking is available on the east side of the building. If special accommodations are required please contact the City Secretary a minimum of 72 hours in advance at 817-232-4640.

(1) Call to Order--Todd Flippo, Mayor

Pledge of Allegiance to the United States

Pledge of Allegiance to the State of Texas

"Honor the Texas Flag; I pledge allegiance to thee, Texas, one State under God, one and indivisible"

(2) Invocation--Representative, Sar Shalom Synagogue

(3) Audience Participation--On the Video Screen

(4) Consent Agenda

- (a)** Action regarding Minutes, February 4, 2020--Janice England, City Secretary
- (b)** Action regarding Resolution 2020-05, Continued Participation with the Atmos Cities Steering Committee--Dolph Johnson, Asst. City Manager

(5) Community Involvement Presentation--Keith Rinehart, Director of Community & Economic Development

(6) It's Time Texas Community Challenge 2020 Mayor Pledge--Todd Flippo,

Mayor

- (7) Consideration and Action regarding Continued Negotiations with YMCA related to possible Natatorium
- (8) Update on Retail Market Analysis--Aaron Farmer, The Retail Coach
- (9) PUBLIC HEARING – Consideration and Action regarding a Recommendation from the Planning and Zoning Commission, to Amend the Zoning Ordinance (No. 2001-04) Section 5-1 Amending Regulations for “Snow Cone Stands, Seasonal” and Sections 5-2 A(25) and 12-2 Pertaining to Seasonal Operations (Ordinance No. 2020-02)--Rick Trice, P.E., Director of Public Works
- (10) PUBLIC HEARING – Consideration and Action regarding a Recommendation from the Planning and Zoning Commission Regarding to Amend the Zoning Ordinance (No. 2002-04) Amending the Regulations for “Mobile Food Unit Park” (Ordinance No. 2020-03)--Rick Trice, P.E., Director of Public Works
- (11) Consideration and Action regarding approval of a Request for a Specific Use Permit to allow a day care facility on Lot 30, Block 2 (912 North Old Decatur Road), of the Saginaw Springs Addition, Located on the northeast corner of Old Decatur Road and W.J. Boaz Road in Saginaw (Continued from December 3, 2019 meeting) (Ordinance No. 2020-04)--Rick Trice, P.E., Director of Public Works
- (12) **Recess into Workshop--Todd Flippo, Mayor**
- (13) Mid Term Capital Improvement Project Planning--Rick Trice, P.E., Director of Public Works

(14) Reconvene Back into Regular Session--Todd Flippo, Mayor

(15) Executive Session

551.071. Texas Government Code.

Consultation with Attorney. The City Council may convene in executive session to conduct a private consultation with its attorney on any legally posted agenda item, when the City Council seeks the advice of its attorney about pending or contemplated litigation, a settlement offer, or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the provisions of Chapter 551, including the following items:

- (a) Any Posted Item

551.087 Texas Government Code.

Deliberation regarding Economic Development Negotiations. The City Council may convene in executive session to discuss or deliberate regarding commercial or financial information that the City has received from a business prospect that the City seeks to have locate, stay, or expand in or near the City and with which the City is conducting economic development negotiations; or to deliberate the offer of a financial or other incentive to a business prospect described above, including:

- (a) Building Improvement Grant Application--100 S. Hampshire Street
- (b) Retail Relocation

(16) Adjournment--Todd Flippo, Mayor



City of Saginaw

Meeting Date: 2/18/2020

Staff Contact: Janice England
City Secretary

Agenda Items: (4)(a)

E-mail: jengland@saginawtx.org

Phone: 817-230-0327

SUBJECT:

Action regarding Minutes, February 4, 2020

BACKGROUND/DISCUSSION:

The minutes of the February 4, 2020 City Council Meeting are being presented for approval.

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

Staff recommends approval.

ATTACHMENTS:

Description

Minutes 2-4-2020

**CITY OF SAGINAW
MINUTES OF CITY COUNCIL MEETING
AND WORKSHOP
HELD AT THE SAGINAW CITY HALL
333 WEST MCLEROY BLVD.
FEBRUARY 4, 2020**

Present at the meeting:

Mayor Pro-Tem	Valerie Tankersley
Councilmember	Charles Beasley
Councilmember	Patrick Farr
Councilmember	Charles Tucker
Councilmember	Cindy Bighorse
Councilmember	Mary Copeland
City Attorney	Bryn Meredith
City Engineer	Andrew Simonsen, P.E.
City Manager	Gabe Reaume
Asst. City Manager	Dolph Johnson
City Secretary	Janice England
Finance Director	Kim Quin
Police Chief	Lee Howell
Asst. Police Chief	Russell Ragsdale
Police Lieutenant	Jose Murillo
Fire Chief	Doug Spears
Director of Public Works	Rick Trice, P.E.
Director of Community Svcs.	Keith Rinehart
Director of Human Resources	Melanie McManus
Library Director	Ellen Ritchie
Chief Building Official	Larry Little
Code Enforcement Manager	Lisa Newsom
Inspector	Jarid Smith
Combination Inspector	Chris Dyer
Bldg. Dept. Executive Asst.	Debra Thomas
Police Officer	Joshua Gonzalez

Absent from the meeting:

Mayor	Todd Flippo
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Visitors at the meeting:

Janelle Young	Glen Reeves
Kathryn Johnson	Mary Ragle
Dennis Hudson	Jennifer Morphis
Christopher Morphis	

(1) Call to Order

Mayor Pro-Tem Tankersley called the meeting to order at 6:00 p.m. with a quorum present.

Pledge of Allegiance to the United States

Pledge of Allegiance to the State of Texas

(2) Invocation

Pastor Dennis Hudson of Saginaw Park Baptist Church gave the invocation.

(3) Audience Participation

This item was covered on the video screen.

(4) Consent Agenda

(a) Action regarding Minutes, January 21, 2020

(b) Action regarding Resolution No. 2020-03, Adopting the Hart Verity Voting System for Use in all Elections run by Tarrant County

Summary: Last year Tarrant County Commissioners awarded a contract for a new voting system for Tarrant County. This System is the Hart Intercivic Verity Voting System Version 2.3.1. This system meets all requirements set forth by the Secretary of State for all forms of voting in Tarrant County including election day voting at polling locations, early voting in person, early voting by mail, and provisional voting. Since we contract with Tarrant County for election services, we must approve a resolution adopting the system for use in our elections. Resolution No. 2020-03 addresses this requirement.

(c) Action regarding Resolution No. 2020-04, Calling for a General Election to elect the Offices of City Council Place 4 and City Council Place 6 to be held on May 2, 2020

Summary: Resolution No. 2020-04 calls the General Election to elect the offices of City Council Places 4 and 6 to be held on Saturday, May 2, 2020. Those places are currently held by Charles Tucker (Place 4) and Mary Copeland (Place 6). Both positions have three year terms. The deadline for candidate applications is Friday, February 14, 2020 at 11:30 a.m.

(d) Action regarding recommendation from Advisory Recreation and Parks Board regarding the July 4, 2020 and 2021 Fireworks Display

Summary: On November 19, 2020, the City Council authorized a \$6,000 deposit funded by the Parks Donation Fund to secure a fireworks display at Saginaw High School on July 4, 2020. Staff contacted the vendor, Fireworks Display Company, on the following day and were informed that the date was unavailable due to a prior booking. Staff returned to the Advisory Recreation and Parks Board to consider alternate dates for the event. On January 20, 2020, the Board voted to recommend cancellation of the July 4, 2020 fireworks display and to request \$6,000 be applied as a deposit for a July 4, 2021 celebration. Staff will return with a request for the balance owed of approximately \$4,000 when it is due.

(e) Action regarding Authorization of an Individual Project Order (IPO) with Kimley-Horn & Associates, Inc. for the ADA Transition Plan Phase 3A

Summary: The 2019-20 budget included funds for the ADA Transition Plan Phase 3A. The recommended IPO includes an assessment of eight signalized intersections, approximately seventeen miles of sidewalk corridor, eighty-five unsignalized intersections, and two hundred-seventy curb ramps. Sidewalk assessment for newly developed areas are not included in this phase but will be included in a future assessment. In addition to the sidewalks, the Depot Building has been added to the scope since it is now operated as a city facility. The total lump sum fee is \$52,500. A total of \$50,000 was budgeted in the 2019-20 Budget (Public Services Department, Account 01-7000-06, Capital Outlay/Special Request). The Depot Building assessment is \$2,500 which will be taken from the Fund Balance.

(f) Action regarding Award of Contract for the Police Parking Lot Expansion

Summary: On October 15, 2019, the City Council authorized an Individual Project Order with Kimley-Horn & Associates, Inc. for the Police Parking Lot Expansion. The project was bid on December 4, 2019 and subsequently rejected by the Council on January 7, 2020 due to bids being over budget. The project was rebid and bids were opened on January 29, 2020. A total of eight bids were received. The low bid, Summit Paving, LLC, had a calculation error in the bid that resulted in a total base bid of \$65,155. Summit has agreed to honor its submitted base bid of \$63,155. Kimley-Horn & Associates has reviewed the bids and recommended the award of the contract to Summit Paving, LLC. The total financial packet with the additive alternate bid will be \$75,439.50 and will be funded from the 2019 Tax Notes sold for property acquisition and capital projects.

Motion was made by Councilmember Farr with a second by Councilmember Tucker to approve the Consent Agenda as presented. Motion carried unanimously. 6-0-0-1

For: Mayor Pro-Tem Tankersley, Councilmembers Beasley,
Farr, Tucker, Bighorse, and Copeland

Against: None

Abstain: None

Absent: Mayor Flippo

(5) Recess into Workshop

Mayor Pro-Tem Tankersley declared the meeting recessed into Workshop at 6:03 p.m.

(6) Code Enforcement/Rental Registration Update

Code Enforcement Manager Newsom explained the Rental Registration Program and its purpose. Inspector Smith gave examples of code violations found during rental property inspections. Chief Building Official Little explained how the Rental Registration Program has increased the workload of the staff. He also explained the need for more staffing to handle the required paperwork and inspections.

Ms. Jennifer Morphis addressed the Council. She suggested that the use of drones equipped with cameras be explored for initial inspections. She also suggested automation of permit issuance, and payments to assist the staff.

(7) 2020 Police Department Update

Police Chief Howell gave an update of the Police Department's priorities for 2020 and community policing initiatives.

(8) Reconvene Back into Regular Session

Mayor Pro-Tem Tankersley declared the meeting back in Regular Session at 7:44 p.m.

(9) Executive Session

1 § 551.071. Texas Government Code. Consultation with Attorney. The City Council may convene in executive session to conduct a private consultation with its attorney on any legally posted agenda item, when the City Council seeks the advice of its attorney about pending or contemplated litigation, a settlement offer, or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules

of Professional Conduct of the State Bar of Texas clearly conflicts with the provisions of Chapter 551, including the following items:

- a. Any Posted Item
- b. Regulation of Short Term Rental Facilities

Mayor Pro-Tem Tankersley declared the meeting recessed into Executive Session at 7:45 p.m.

(Councilmember Farr left the meeting during Executive Session.)

Mayor Pro-Tem Tankersley declared the meeting back in Regular Session at 8:24 p.m.

(10) Adjournment

Motion was made by Councilmember Bighorse with a second by Councilmember Tucker to adjourn the meeting. Motion carried unanimously. 5-0-0-2

For: Mayor Pro-Tem Tankersley, Councilmembers Beasley, Tucker, Bighorse, and Copeland

Against: None

Abstain: None

Absent: Mayor Flippo and Councilmember Farr

Mayor Pro-Tem Tankersley declared the City Council Meeting of February 4, 2020 adjourned at 8:24 p.m.

ATTEST:

APPROVED:

City Secretary Janice England

Mayor Todd Flippo



City of Saginaw

Meeting Date: 2/18/2020

Staff Contact: Dolph Johnson
Asst. City Manager

Agenda Items: (4)(b)

E-mail: djohnson@saginawtx.org

Phone: 817-230-0325

SUBJECT:

Action regarding Resolution 2020-05, Continued Participation with the Atmos Cities Steering Committee

BACKGROUND/DISCUSSION:

Purpose of the Resolution:

Most municipalities have retained original jurisdiction over gas utility rates and services within municipal limits. The Atmos Cities Steering Committee (“ACSC”) is composed of 178 municipalities in the service area of Atmos Energy Corporation, Mid-Tex Division that have retained original jurisdiction. Atmos is a monopoly provider of natural gas. Because Atmos has no competitors, regulation of the rates that it charges its customers is the only way that cities can ensure that natural gas rates are fair. Working as a coalition to review the rates charged by Atmos allows cities to accomplish more collectively than each city could do acting alone.

Cities have more than 100 years experience in regulating natural gas rates in Texas.

ACSC is the largest coalition of cities served by Atmos Mid-Tex. There are 178 ACSC member cities, which represent more than 60 percent of the total load served by Atmos-Mid Tex. ACSC protects the authority of municipalities over the monopoly natural gas provider and defends the interests of residential and small commercial customers within the cities. Although many of the activities undertaken by ACSC are connected to rate cases (and therefore expenses are reimbursed by the utility), ACSC also undertakes additional activities on behalf of municipalities for which it needs funding support from its members.

The ACSC Membership Assessment Supports Important Activities:

ACSC is actively involved in rate cases, appeals, rulemakings, and legislative efforts impacting the rates charged by Atmos within the City. These activities will continue throughout the calendar year. It is possible that additional efforts will be necessary on new issues that arise during the year, and it is important that ACSC be able to fund its participation on behalf of its member cities. A per capita assessment has historically been used, and is a fair method for the members to bear the burdens associated with the benefits received from that membership.

Explanation of Resolution Paragraphs:

- I. This paragraph authorizes the continuation of the City’s membership in ACSC.
- II. This paragraph authorizes payment of the City’s assessment to the ACSC in the amount of five cents (\$0.05) per capita.

III. This paragraph requires notification that the City has adopted the Resolution.

Payment of Assessment

The assessment payment check should be made out to “*Atmos Cities Steering Committee*” and mailed to Brandi Stigler, Atmos Cities Steering Committee, c/o Arlington City Attorney’s Office, Mail Stop 63-0300, 101 S. Mesquite St., Suite 300, Arlington, Texas 76010.

FINANCIAL IMPACT:

\$1,119 which is budgeted in the General Administration Office Budget, Legal and Special Services and Audit Account 01-6650-02

RECOMMENDATION:

Staff Recommends approval of Resolution 2020-05, authorizing continued participation with the Atmos Cities Steering Committee

ATTACHMENTS:

Description

Resolution 2020-05

ACSC Members List

RESOLUTION NO. 2020-05

A RESOLUTION AUTHORIZING CONTINUED PARTICIPATION WITH THE ATMOS CITIES STEERING COMMITTEE; AND AUTHORIZING THE PAYMENT OF FIVE CENTS PER CAPITA TO THE ATMOS CITIES STEERING COMMITTEE TO FUND REGULATORY AND RELATED ACTIVITIES RELATED TO ATMOS ENERGY CORPORATION

WHEREAS, the City of Saginaw is a regulatory authority under the Gas Utility Regulatory Act (GURA) and has exclusive original jurisdiction over the rates and services of Atmos Energy Corporation, Mid-Tex Division (Atmos) within the municipal boundaries of the city; and

WHEREAS, the Atmos Cities Steering Committee (ACSC) has historically intervened in Atmos rate proceedings and gas utility related rulemakings to protect the interests of municipalities and gas customers residing within municipal boundaries; and

WHEREAS, ACSC is participating in Railroad Commission dockets and projects, as well as court proceedings and legislative activities, affecting gas utility rates; and

WHEREAS, the City is a member of ACSC; and

WHEREAS, in order for ACSC to continue its participation in these activities which affects the provision of gas utility service and the rates to be charged, it must assess its members for such costs; NOW THEREFORE,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SAGINAW, TEXAS:

I.

That the City is authorized to continue its membership with the Atmos Cities Steering Committee to protect the interests of the City of Saginaw and protect the interests of the customers of Atmos Energy Corporation, Mid-Tex Division residing and conducting business within the City limits.

II.

The City is further authorized to pay its 2020 assessment to the ACSC in the amount of five cents (\$0.05) per capita.

III.

A copy of this Resolution and approved assessment fee payable to “*Atmos Cities Steering Committee*” shall be sent to:

Brandi Stigler
Atmos Cities Steering Committee
c/o Arlington City Attorney’s Office, Mail Stop 63-0300
101 S. Mesquite St., Suite 300
Arlington, Texas 76010

PRESENTED AND PASSED on this the _____ day of _____, 2020, by a vote of _____ ayes and _____ nays at a regular meeting of the City Council of the City of Saginaw, Texas.

Todd Flippo, Mayor

ATTEST:

Janice England, City Secretary

APPROVED AS TO FORM:

BY _____
Bryn Meredith, City Attorney

ACSC Cities (178 Members)

1. Abilene
2. Addison
3. Albany
4. Allen
5. Alvarado
6. Angus
7. Anna
8. Argyle
9. Arlington
10. Aubrey
11. Azle
12. Bedford
13. Bellmead
14. Benbrook
15. Beverly Hills
16. Blossom
17. Blue Ridge
18. Bowie
19. Boyd
20. Bridgeport
21. Brownwood
22. Bryan
23. Buffalo
24. Burkburnett
25. Burleson
26. Caddo Mills
27. Canton
28. Carrollton
29. Cedar Hill
30. Celeste
31. Celina
32. Centerville
33. Cisco
34. Clarksville
35. Cleburne
36. Clyde
37. College Station
38. Colleyville
39. Colorado City
40. Comanche
41. Commerce
42. Coolidge
43. Coppell
44. Corinth
45. Crandall
46. Cross Roads
47. Crowley
48. Dalworthington Gardens
49. Denison
50. Denton
51. DeSoto
52. Draper
53. Duncanville
54. Early
55. Eastland
56. Edgecliff Village
57. Emory
58. Ennis
59. Euless
60. Everman
61. Fairview
62. Farmers Branch
63. Farmersville
64. Fate
65. Flower Mound
66. Forest Hill
67. Forney
68. Fort Worth
69. Frisco
70. Frost
71. Gainesville
72. Garland
73. Garrett
74. Georgetown
75. Glenn Heights
76. Grand Prairie
77. Grapevine
78. Groesbeck
79. Gunter
80. Haltom City
81. Harker Heights
82. Haskell
83. Haslet
84. Hewitt
85. Highland Park
86. Highland Village
87. Honey Grove
88. Hurst
89. Hutto
90. Iowa Park
91. Irving
92. Justin
93. Kaufman
94. Keene
95. Keller
96. Kemp
97. Kennedale
98. Kerens
99. Kerrville
100. Killeen
101. Krum
102. Lakeside
103. Lake Dallas
104. Lake Worth
105. Lancaster
106. Lavon
107. Lewisville
108. Little Elm
109. Lorena
110. Madisonville
111. Malakoff
112. Mansfield
113. McKinney
114. Melissa
115. Mesquite
116. Midlothian
117. Murphy
118. Newark
119. Nocona
120. North Richland Hills
121. Northlake
122. Oak Leaf
123. Ovilla
124. Palestine
125. Pantego
126. Paris
127. Parker
128. Pecan Hill
129. Petrolia
130. Plano
131. Ponder
132. Pottsboro
133. Prosper
134. Quitman
135. Red Oak
136. Reno (Parker County)
137. Rhome
138. Richardson
139. Richland
140. Richland Hills
141. River Oaks
142. Roanoke
143. Robinson
144. Rockwall
145. Roscoe
146. Rowlett
147. Royse City
148. Sachse
149. Saginaw
150. Sansom Park
151. Seagoville
152. Sherman
153. Snyder
154. Southlake
155. Springtown
156. Stamford
157. Stephenville
158. Sulphur Springs
159. Sweetwater
160. Temple
161. Terrell
162. The Colony
163. Trophy Club
164. Tyler
165. University Park
166. Venus
167. Vernon
168. Waco
169. Watauga
170. Waxahachie
171. Westlake
172. Westover Hills
173. Westworth Village
174. Whitesboro
175. White Settlement
176. Wichita Falls
177. Woodway
178. Wylie



City of Saginaw

Meeting Date: 2/18/2020

Staff Contact: Janice England
City Secretary

Agenda Items: (6)

E-mail: jengland@saginawtx.org

Phone: 817-230-0327

SUBJECT:

It's Time Texas Community Challenge 2020 Mayor Pledge

BACKGROUND/DISCUSSION:

This is the Mayor Pledge for the It's Time Texas Community Challenge 2020 Program. The pledge promotes healthy living in our city.

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

N/A

ATTACHMENTS:

Description

Mayor Pledge



MAYOR PLEDGE

In support of the It's Time Texas Community Challenge,

I Todd Flippo, Mayor of Saginaw, Texas

PLEDGE TO:

- » Kick off the IT'S TIME TEXAS Community Challenge by declaring my support and encouraging our constituents to participate!
- » Encourage my community to register and participate in the Community Challenge
- » Ask City Council members to sign and upload a photo holding the pledge to the Community Challenge website
- » Create and upload a short video that promotes the ITT Community Challenge to the community
- » Host and speak at a Community Challenge event that promotes healthy living

I recognize that a healthy community is more united, more productive, and more prosperous. As a result, I am committed to the health of my community and pledge to make our community a model for others to follow.

MY CITY IS UP TO THE CHALLENGE!

Mayor's Signature

Signed: _____ Date: February 18, 2020

Let your community know you've signed your pledge by taking a photo holding your signed pledge and posting it to social media with the hashtag #CommunityChallenge!

ittcommunitychallenge.com



Association of Texas Professional Educators is a strategic partner of IT'S TIME TEXAS and the Community Challenge. www.atpe.org
This institution is an equal opportunity provider. This material was funded by USDA's Supplemental Nutrition Assistance Program -- SNAP.
To receive assistance purchasing healthy foods, sign up for SNAP benefits at yourtexasbenefits.com.



City of Saginaw

Meeting Date: 2/18/2020

Staff Contact: Gabe Reaume
City Manager

Agenda Items: (8)

E-mail: greame@saginawtx.org

Phone: 817-230-0324

SUBJECT:

Update on Retail Market Analysis

BACKGROUND/DISCUSSION:

Aaron Farmer, President of The Retail Coach, will present an update on the Retail Market Analysis approved in December.

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

N/A

ATTACHMENTS:

Description

The Retail Coach Presentation--2-18-2020



SAGINAW, TEXAS

Retail Market Analysis

FEBRUARY 2020



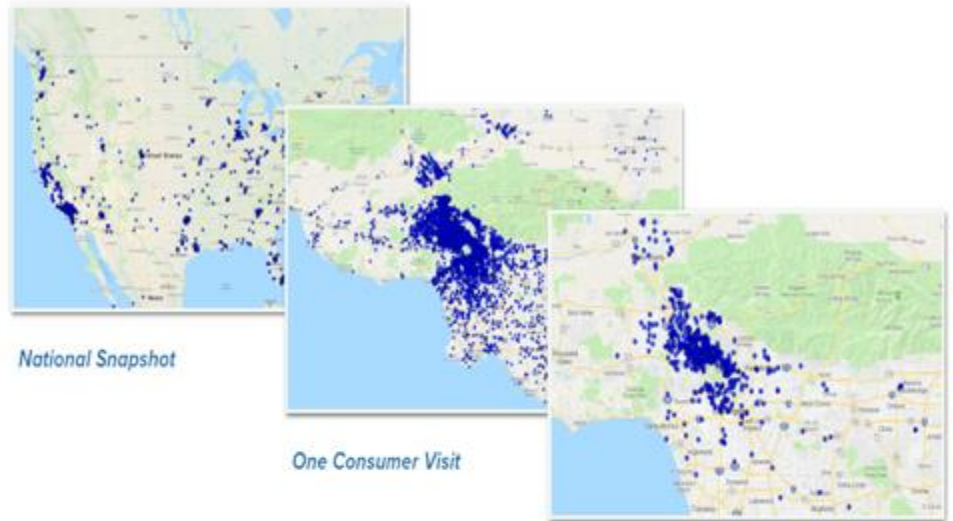
SAGINAW
TEXAS

Mobile Location Data

(Cell Phone Analysis)

What It Is

The **most accurate** way to determine your community's Retail Trade Area



National Snapshot

One Consumer Visit

Three Consumer Visits

How It Works

1. Shoppers in your community use **specific apps** where they have opted-in for location tracking
2. The app(s) report on their location while in your community
3. Using geofencing, we can target **specific stores and retail developments** to tell where those shoppers are coming from and when/how frequently they visited

Why We Use It

1. More **accurate** than radials, drive times, and outdated methods used to determine retail trade areas
2. Provides **factual data for retailers and developers** that computer models can't - making us more likely to successfully recruit retailers to your community





Metrics

Est. # of Customers

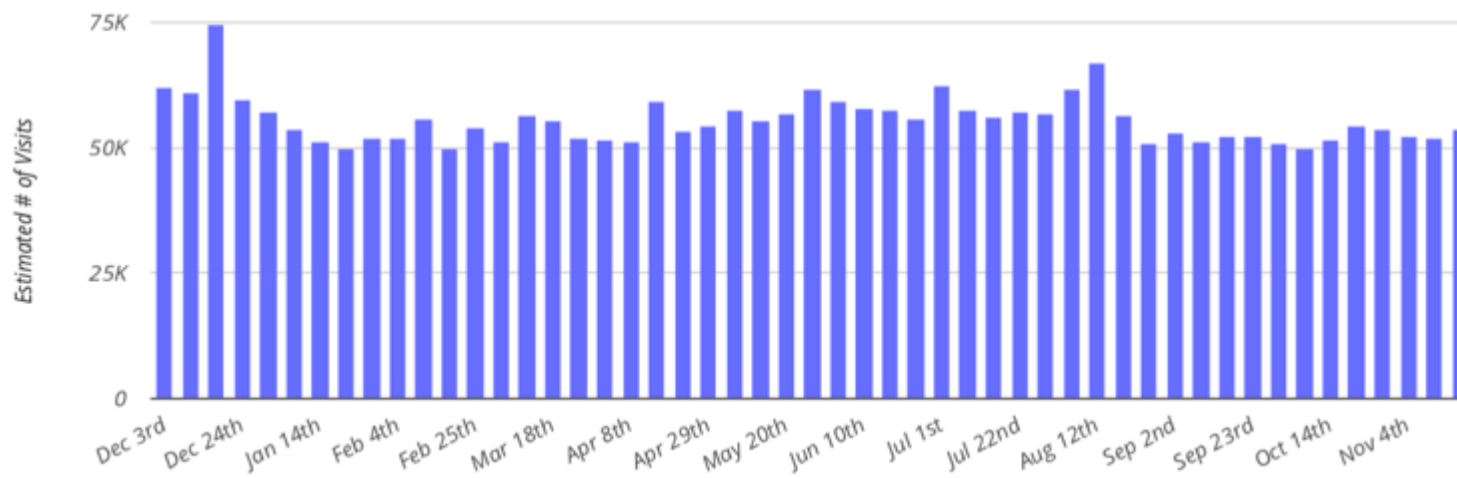
Est. # of Visits

Walmart Shopping Ce... / N Saginaw B...

318.6K

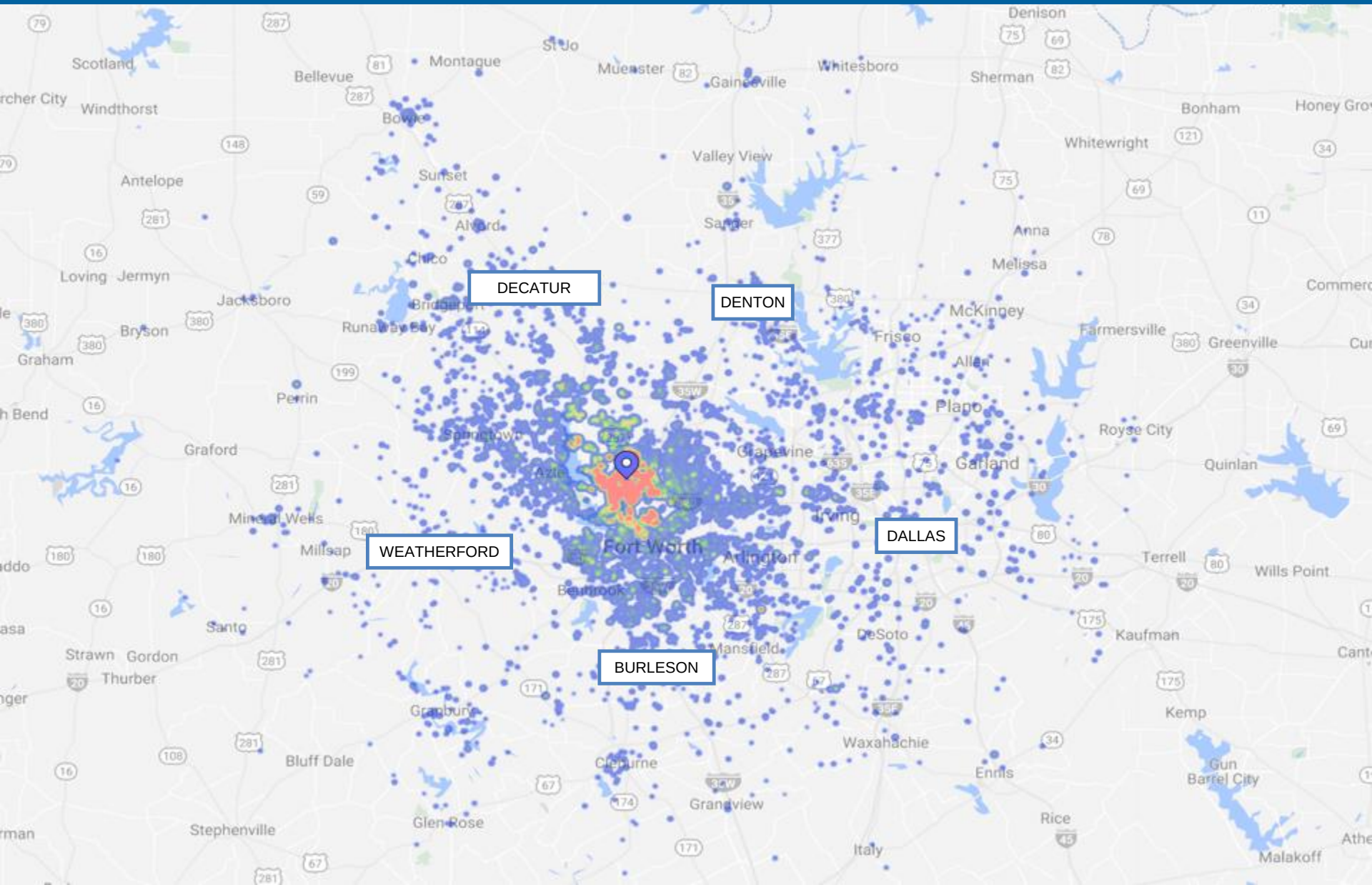
2.9M

Visits Trend

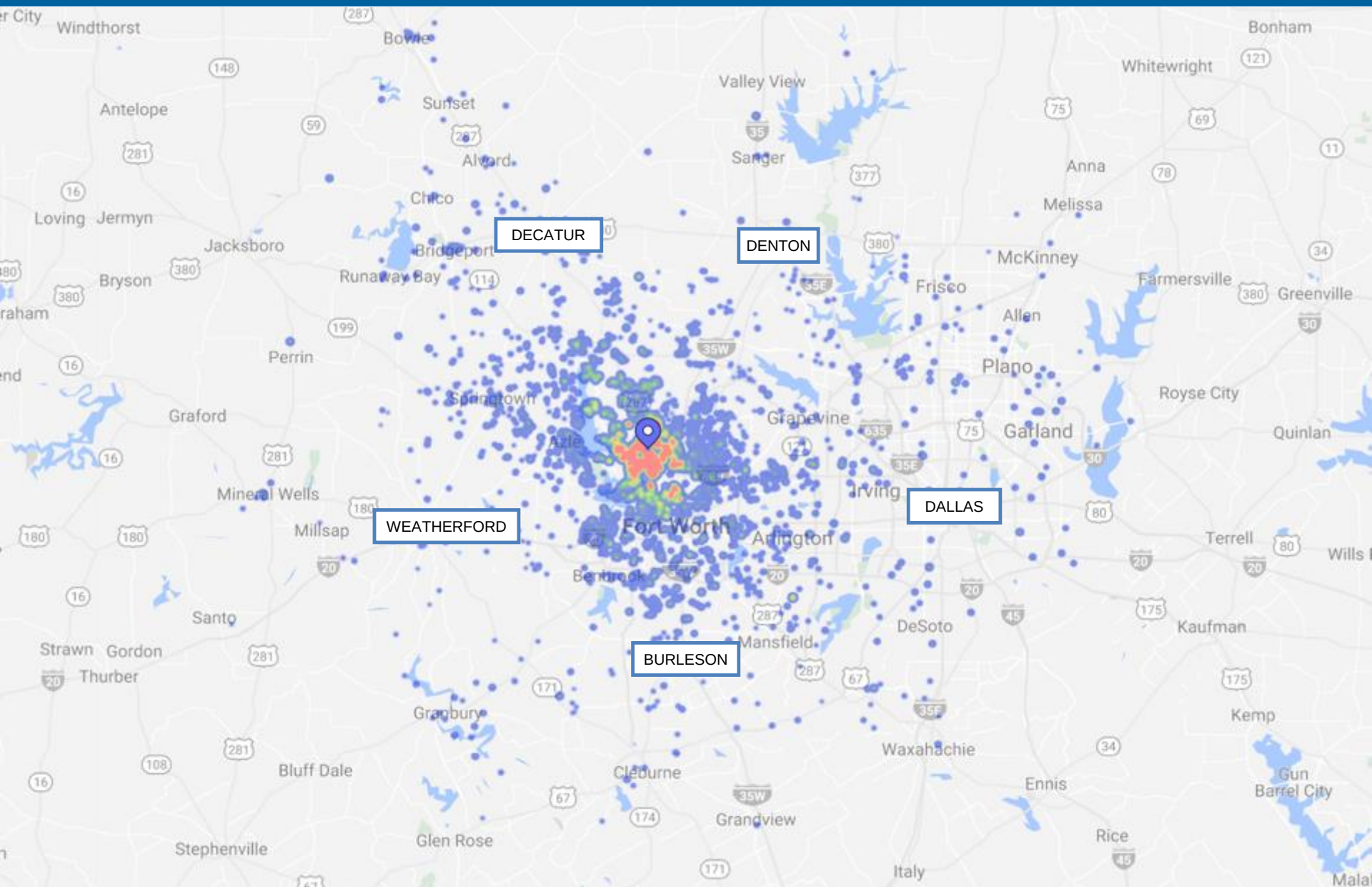


Saginaw

Walmart Shopping Center Cell Phone Analysis (1+ Visits)



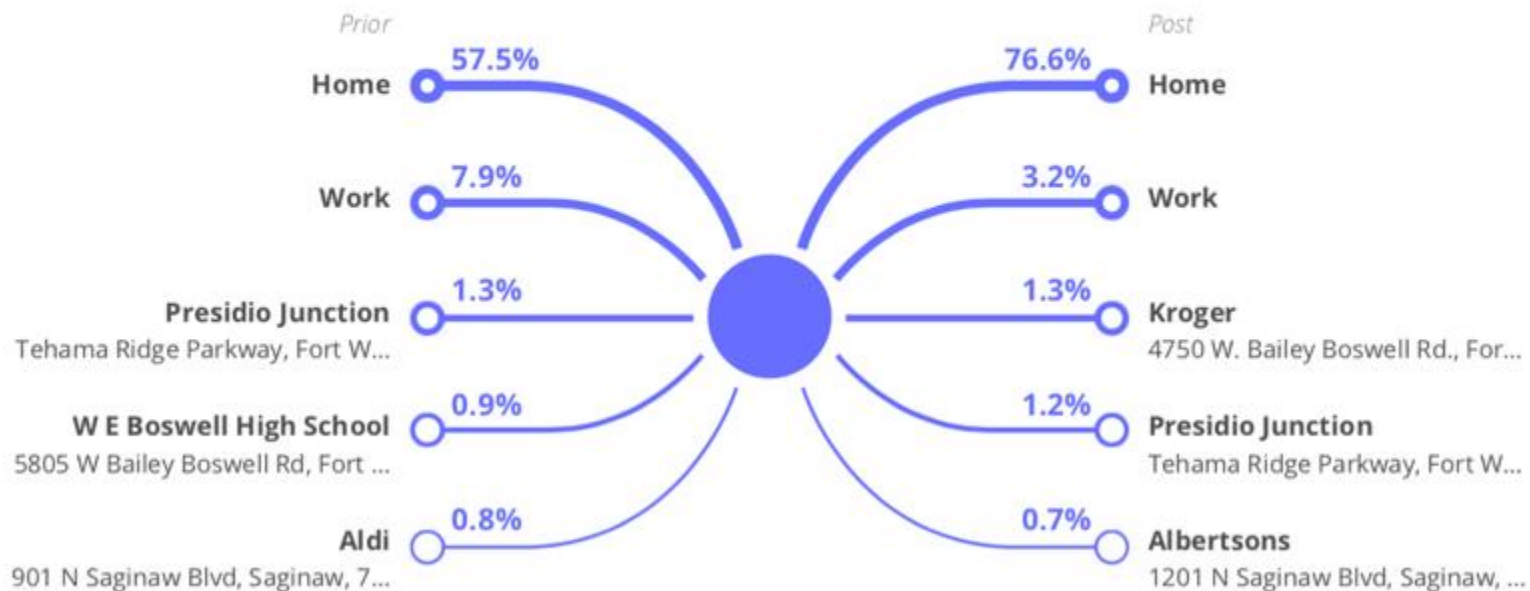
Walmart Shopping Center Cell Phone Analysis (2+ Visits)





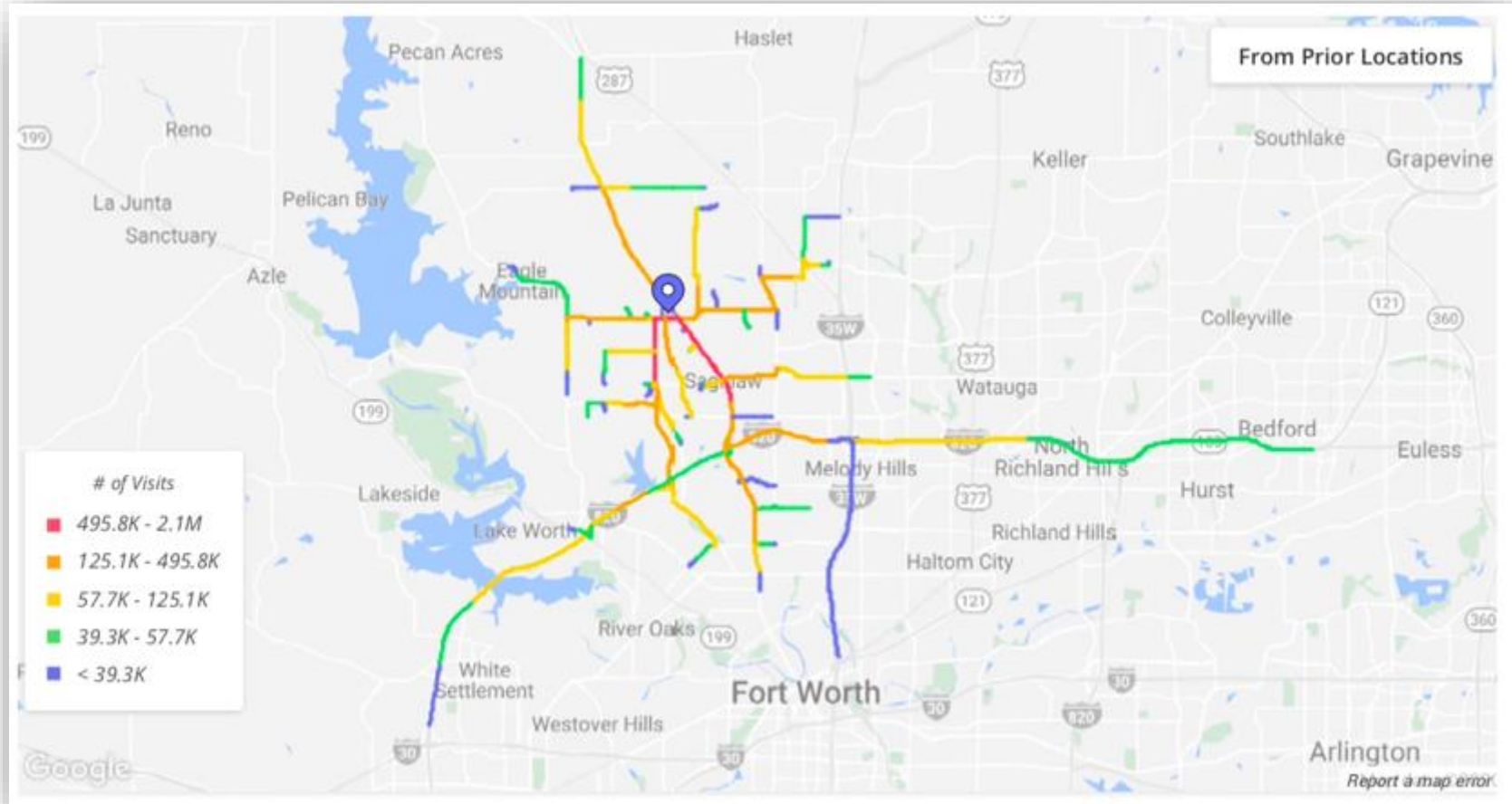
Customer Journey

Walmart Shopping Center / N Saginaw Blvd



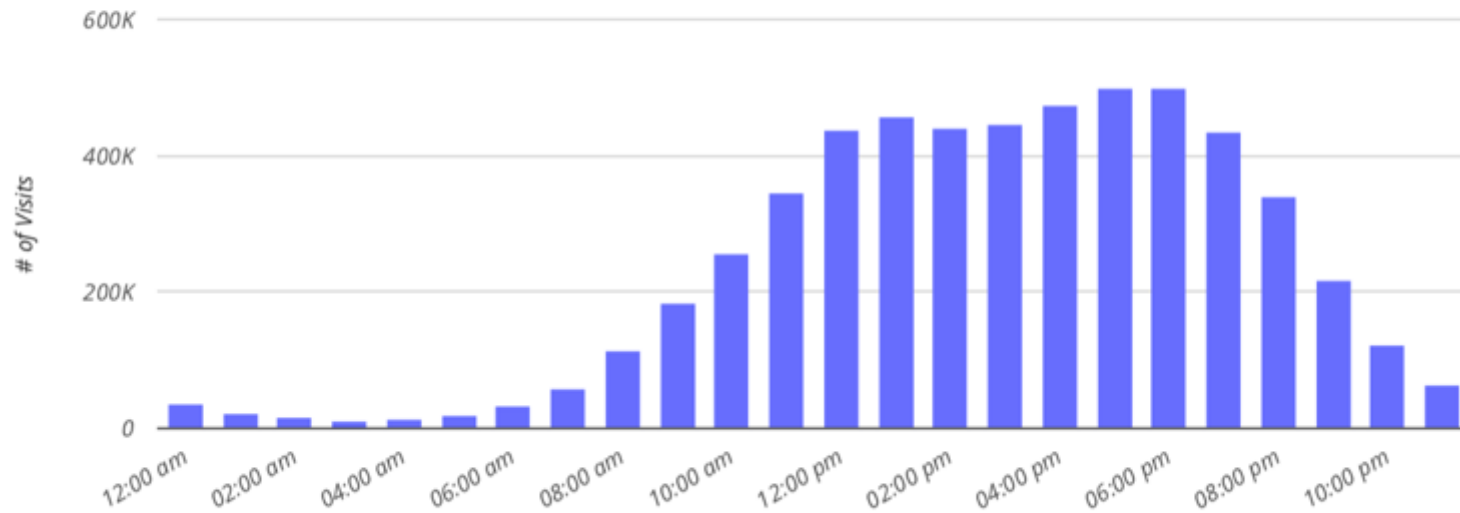
Saginaw

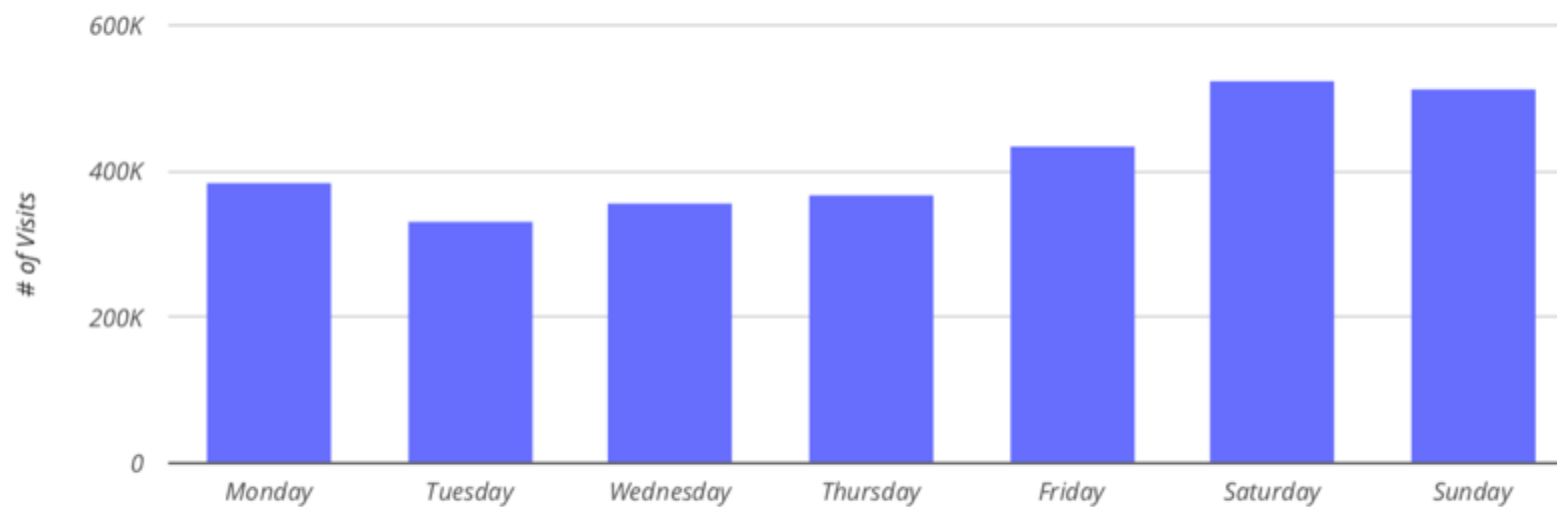
Walmart Shopping Center Cell Phone Analysis

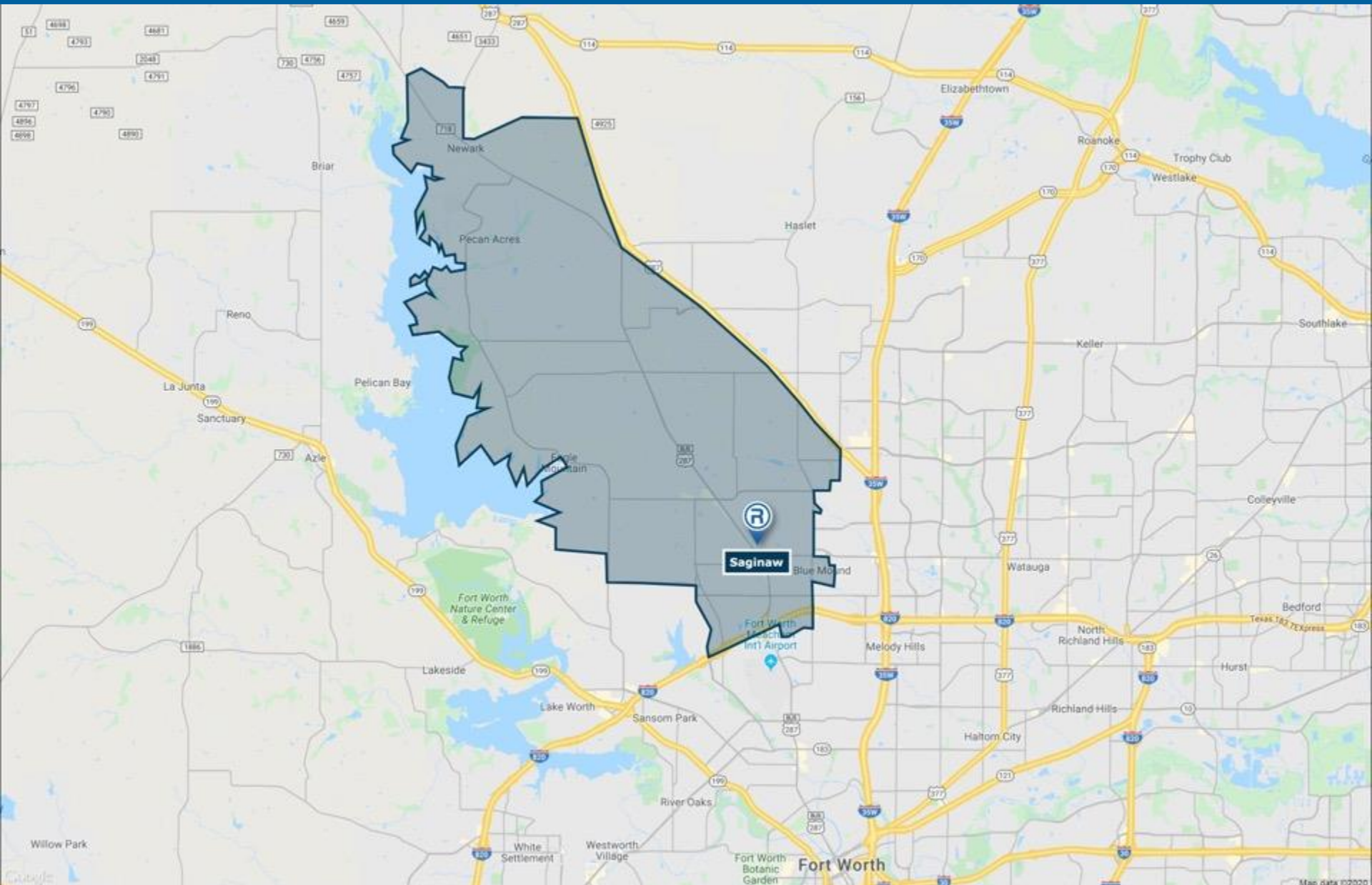




Hourly Visits







Saginaw Retail Trade Area Demographics



Population		Age	
2010	67,318	0 - 9 Years	15.70%
2020	95,471	10 - 17 Years	12.78%
2025	104,327	18 - 24 Years	9.54%
Educational Attainment (%)		25 - 34 Years	13.40%
Graduate or Professional Degree	7.8%	35 - 44 Years	14.94%
Bachelors Degree	21.4%	45 - 54 Years	13.78%
Associate Degree	8.9%	55 - 64 Years	10.59%
Some College	25.5%	65 and Older	9.27%
High School Graduate (GED)	26.5%	Median Age	33.98
Some High School, No Degree	5.6%	Average Age	34.61
Less than 9th Grade	4.3%	Race Distribution (%)	
Income		White	72.43%
Average HH	\$111,438	Black/African American	9.64%
Median HH	\$92,861	American Indian/Alaskan	0.64%
Per Capita	\$35,895	Asian	4.64%
		Native Hawaiian/Islander	0.13%
		Other Race	8.86%
		Two or More Races	3.67%
		Hispanic	28.22%

Retail Trade Area • Gap/Opportunity Analysis

Saginaw, Texas

NAICS	DESCRIPTION	POTENTIAL SALES	ACTUAL SALES	LEAKAGE	INDEX
44, 45, 722	Total retail trade including food and drinking places	\$1,991,337,923	\$410,507,249	\$1,580,830,674	0.21
441	Motor vehicle and parts dealers	\$484,712,226	\$99,282,020	\$385,430,206	0.20
4411	Automobile dealers	\$422,447,039	\$5,528,824	\$416,918,215	0.01
4412	Other motor vehicle dealers	\$28,269,894	\$2,553,050	\$25,716,844	0.09
4413	Automotive parts, accessories, and tire stores	\$33,995,293	\$91,200,146	-\$57,204,853	2.68
442	Furniture and home furnishings stores	\$41,471,791	\$3,205,657	\$38,266,134	0.08
4421	Furniture stores	\$22,970,739	\$2,389,241	\$20,581,498	0.10
4422	Home furnishings stores	\$18,501,052	\$816,416	\$17,684,636	0.04
443	Electronics and appliance stores	\$31,567,055	\$1,195,692	\$30,371,363	0.04
443141	Household appliance stores	\$4,324,489	\$0	\$4,324,489	0.00
443142	Electronics stores	\$27,242,567	\$1,195,692	\$26,046,875	0.04
444	Building material and garden equipment and supplies dealers	\$120,499,111	\$6,020,634	\$114,478,477	0.05
4441	Building material and supplies dealers	\$107,409,008	\$5,694,159	\$101,714,849	0.05
44411	Home centers	\$55,848,522	\$0	\$55,848,522	0.00
44412	Paint and wallpaper stores	\$4,797,185	\$0	\$4,797,185	0.00
44413	Hardware stores	\$8,912,515	\$2,498,573	\$6,413,942	0.28
44419	Other building material dealers	\$37,850,786	\$3,195,586	\$34,655,200	0.08
4442	Lawn and garden equipment and supplies stores	\$13,090,104	\$326,475	\$12,763,629	0.02
44421	Outdoor power equipment stores	\$1,438,191	\$0	\$1,438,191	0.00
44422	Nursery, garden center, and farm supply stores	\$11,651,912	\$326,475	\$11,325,437	0.03
445	Food and beverage stores	\$236,025,930	\$37,481,083	\$198,544,847	0.16
4451	Grocery stores	\$214,935,459	\$33,148,343	\$181,787,116	0.15
44511	Supermarkets and other grocery (except convenience) stores	\$206,043,007	\$30,992,100	\$175,050,907	0.15
44512	Convenience stores	\$8,892,452	\$2,156,243	\$6,736,209	0.24
4452	Specialty food stores	\$6,428,028	\$0	\$6,428,028	0.00
4453	Beer, wine, and liquor stores	\$14,662,444	\$4,332,740	\$10,329,704	0.30



446	Health and personal care stores	\$100,881,711	\$26,502,262	\$74,379,449	0.26
44611	Pharmacies and drug stores	\$81,086,633	\$23,062,059	\$58,024,574	0.28
44612	Cosmetics, beauty supplies, and perfume stores	\$7,652,805	\$875,465	\$6,777,340	0.11
44613	Optical goods stores	\$4,123,426	\$2,564,738	\$1,558,688	0.62
44619	Other health and personal care stores	\$8,018,847	\$0	\$8,018,847	0.00
447	Gasoline stations	\$186,777,155	\$44,050,931	\$142,726,224	0.24
448	Clothing and clothing accessories stores	\$90,366,574	\$3,644,397	\$86,722,177	0.04
4481	Clothing stores	\$63,922,802	\$2,397,095	\$61,525,707	0.04
44811	Men's clothing stores	\$2,887,398	\$0	\$2,887,398	0.00
44812	Women's clothing stores	\$12,918,992	\$1,981,732	\$10,937,260	0.15
44813	Children's and infants' clothing stores	\$2,758,767	\$0	\$2,758,767	0.00
44814	Family clothing stores	\$38,696,437	\$0	\$38,696,437	0.00
44815	Clothing accessories stores	\$2,626,126	\$0	\$2,626,126	0.00
44819	Other clothing stores	\$4,035,082	\$415,363	\$3,619,719	0.10
4482	Shoe stores	\$14,734,232	\$0	\$14,734,232	0.00
4483	Jewelry, luggage, and leather goods stores	\$11,709,540	\$1,247,302	\$10,462,238	0.11
44831	Jewelry stores	\$10,346,090	\$1,247,302	\$9,098,788	0.12
44832	Luggage and leather goods stores	\$1,363,450	\$0	\$1,363,450	0.00

Retail Trade Area • Gap/Opportunity Analysis

Saginaw, Texas

NAICS	DESCRIPTION	POTENTIAL SALES	ACTUAL SALES	LEAKAGE	INDEX
451	Sporting goods, hobby, musical instrument, and book stores	\$26,769,125	\$1,189,002	\$25,580,123	0.04
4511	Sporting goods, hobby, and musical instrument stores	\$23,808,817	\$1,189,002	\$22,619,815	0.05
45111	Sporting goods stores	\$15,957,664	\$499,510	\$15,458,154	0.03
45112	Hobby, toy, and game stores	\$5,223,909	\$689,492	\$4,534,417	0.13
45113	Sewing, needlework, and piece goods stores	\$1,027,371	\$0	\$1,027,371	0.00
45114	Musical instrument and supplies stores	\$1,599,875	\$0	\$1,599,875	0.00
4512	Book stores and news dealers	\$2,960,307	\$0	\$2,960,307	0.00
452	General merchandise stores	\$239,150,892	\$129,850,890	\$109,300,002	0.54
4522	Department stores	\$34,617,468	\$0	\$34,617,468	0.00
4523	Other general merchandise stores	\$204,533,425	\$129,850,890	\$74,682,535	0.63
453	Miscellaneous store retailers	\$30,409,637	\$2,212,372	\$28,197,265	0.07
4531	Florists	\$2,001,009	\$176,456	\$1,824,553	0.09
4532	Office supplies, stationery, and gift stores	\$7,517,482	\$454,273	\$7,063,209	0.06
45321	Office supplies and stationery stores	\$3,095,887	\$261,493	\$2,834,394	0.08
45322	Gift, novelty, and souvenir stores	\$4,421,595	\$192,780	\$4,228,815	0.04
4533	Used merchandise stores	\$5,779,678	\$1,581,643	\$4,198,035	0.27
4539	Other miscellaneous store retailers	\$15,111,468	\$0	\$15,111,468	0.00
45391	Pet and pet supplies stores	\$7,004,838	\$0	\$7,004,838	0.00
45399	All other miscellaneous store retailers	\$8,106,630	\$0	\$8,106,630	0.00
454	Non-store retailers	\$162,766,461	\$12,725,596	\$150,040,865	0.08
722	Food services and drinking places	\$239,940,253	\$43,146,713	\$196,793,540	0.18
7223	Special food services	\$15,151,365	\$1,209,363	\$13,942,002	0.08
7224	Drinking places (alcoholic beverages)	\$10,544,419	\$463,970	\$10,080,449	0.04
7225	Restaurants and other eating places	\$214,244,469	\$41,473,380	\$172,771,089	0.19
722511	Full-service restaurants	\$92,237,227	\$18,999,061	\$73,238,166	0.21
722513	Limited-service restaurants	\$107,007,927	\$22,474,319	\$84,533,608	0.21
722514	Cafeterias, grill buffets, and buffets	\$4,991,317	\$0	\$4,991,317	0.00
722515	Snack and nonalcoholic beverage bars	\$10,007,999	\$0	\$10,007,999	0.00

Observations/Recommendations

- **Saginaw is close to being built out from a retail standpoint. Continue to work closely with landowners and developers to maximize the retail potential at each site.**
- **Continue to focus on redevelopment opportunities along Saginaw Blvd**
- **The next few years from a retail recruitment standpoint in Saginaw are critical. As development continues to occur in areas around Saginaw, the opportunity for retail development decreases due to retailers and restaurants store spacing requirements.**
- **Focus on identifying retailers and restaurants not in directly competing communities for recruitment**
- **Some of the highest leakage sectors in Saginaw include full service restaurants and clothing stores.**



NEXT STEPS

A PROVEN PROCESS FOR RESULTS

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Silver



Staff Contact: Rick Trice, P.E.
Director of Public Works

E-mail: rtrice@saginawtx.org

SUBJECT:

BACKGROUND/DISCUSSION:

Sec. 5-1. – Permitted Use Table would be changed to read as follows:

P = Permitted Use, S = Specific Use Permit, Blank = Prohibited Use																		
City of Saginaw Land Use Table																		
Residential											Land Use Designation	Nonresidential						Supplemental Conditions
A	S	S	S	S	S	D	Z	M	M	M		O	N	C	C	L	H	
G	F	F	F	F	F	X	L	H	F	F		P	C	C	F	I	I	
1	2	3	4	A		L			1	2								
											Snow Cone Stand			P		P	P	
																	1, 25	

**CITY OF SAGINAW, TEXAS
ORDINANCE NO. 2020-02**

AN ORDINANCE AMENDING ORDINANCE NO. 2002-04, THE ZONING REGULATIONS OF THE CITY OF SAGINAW, TEXAS; AMENDING THE PERMITTED USE TABLE, SECTION 5-1, TO PROVIDE THAT SNOW CONE STANDS, SEASONAL ARE PERMITTED BY RIGHT IN THE COMMUNITY COMMERCIAL ZONING, LIGHT INDUSTRIAL, AND HEAVY INDUSTRIAL DISTRICTS; AMENDING SECTION 5-2 A(25) AND AMENDING SECTION 12-2, TO ALLOW SNOW CONE STAND, SEASONAL OPERATIONS FROM MARCH 1 TO OCTOBER 31 EACH YEAR; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR A PENALTY FOR VIOLATIONS HEREOF; PROVIDING A SAVINGS CLAUSE; PROVIDING FOR PUBLICATION IN PAMPHLET FORM; PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Saginaw is a home rule city acting under its charter adopted by the electorate pursuant to Article XI, Section 5, of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, the City Council of the City of Saginaw heretofore adopted Ordinance No. 2002-04, as amended, the Zoning Regulations of the City of Saginaw, which regulate and restrict the location and use of buildings, structures and land for trade, industry, residence and other purposes, and provides for the establishment of zoning districts of such number, shape and area as may be best suited to carry out these regulations; and

WHEREAS, the City Council of the City of Saginaw deems it necessary in order to lessen congestion on streets, to secure safety from fire, panic, and other dangers; to promote health and the general welfare; to provide adequate light and air; to prevent overcrowding of land; to avoid undue concentration of population; to facilitate the adequate provisions of transportation, water, sewers, schools, parks and other public

requirements; to conserve the value of property and encourage the most appropriate use of land throughout the City, that the hereinafter contained provisions of this ordinance should be passed, promulgated and enforced; and

WHEREAS, the Planning and Zoning Commission of the City of Saginaw, Texas held a public hearing on February 14, 2012, and the City Council of the City of Saginaw, Texas held a public hearing on February 21, 2012, with respect to the amendment described herein; and

WHEREAS, the City of Saginaw, Texas has complied with all requirements of Chapter 211 of the Local Government Code, and all other laws dealing with notice, publication and procedural requirements for the adoption of these zoning regulations.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAGINAW, TEXAS:

SECTION 1.

That Appendix A of the Code of Ordinances, the Comprehensive Zoning Ordinance of the City of Saginaw, Texas, Section 5-1, "Permitted Use Table," is hereby amended by permitting the use "Snow Cone Stand, Seasonal" in the Community Commercial, Light Industrial, and Heavy Industrial zoning district, as follows:

A G	SF 1	SF 2	SF 3	SF 4	SF A	D X	ZL L	M H	MF 1	MF 2	Land use Designation	O P	N C	C C	C F	L I	H I	Supplemental Conditions
COMMERCIAL, RETAIL, AND SERVICES USES																		
											Snow Cone Stand Seasonal			P		P	P	1, 25

SECTION 2.

That Section 5-2 (A)(25). of Appendix A of the Code of Ordinances, the Comprehensive Zoning Ordinance of the City of Saginaw, Texas, “Special conditions for listed uses,” is hereby amended to reads as follows:

25. Submit copy of property owner agreement, including restroom usage agreement evidencing a restroom within 500 feet of stand. All items associated with the stand shall be removed at the end of the permitted season. The building housing the use may not exceed one hundred and twenty square feet. Operations may only occur on and between the days of March 1 and October 31 each year.

SECTION 3.

That Part B, “Land Use Definitions and Explanations,” of Section 12-2 of Article 12 of the Zoning Regulations of the City, the definition of “Snow Cone Stand, Seasonal,” is hereby amended to as follows:

Snow Cone Stand, Seasonal. Any building used for the sale, dispensing, or serving of snow cone refreshments, ice cream, or beverages that does not exceed one hundred and twenty square feet and only operates between on and between the days of March 1 and October 31 each year in allowed zoning districts.

SECTION 4.

This Ordinance shall be cumulative of all provisions of ordinances and of the Saginaw City Code and Zoning Regulations as amended, except when the provisions of this Ordinance are in direct conflict with the provisions of such ordinances and such code, in which event the conflicting provisions of such ordinances and such code are hereby repealed.

SECTION 5.

It is hereby declared to be the intention of the City Council that the sections,

paragraphs, sentences, clauses, and phrases of this Ordinance are severable, and if any section, paragraph, sentence, clause, or phrase of this Ordinance shall be declared unconstitutional by the valid judgment of decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining sections, paragraphs, sentences, clauses, and phrases of this Ordinance, since the same would have been enacted by the City Council without the incorporation in this Ordinance of any such unconstitutional section, paragraph, sentence, clause or phrase.

SECTION 6.

Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this ordinance shall be fined not more than Two Thousand Dollars (\$2,000.00) for each offense. Each day that a violation is permitted to exist shall constitute a separate offense.

SECTION 7.

All rights and remedies of the City of Saginaw are expressly saved as to any and all violations of the provisions of the Zoning Regulations of the City that have accrued at the time of the effective date of this Ordinance; and, as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such ordinances, same shall not be affected by this Ordinance but may be prosecuted until final disposition by the courts.

SECTION 8.

The City Secretary of the City of Saginaw is hereby authorized to publish this ordinance in book or pamphlet form for general distribution among the public, and the

operative provisions of this ordinance as so published shall be admissible in evidence in all courts without further proof than the production thereof.

SECTION 9.

The City Secretary of the City of Saginaw is hereby directed to publish at least twice in the official newspaper of the City of Saginaw, the caption and the penalty clause of this ordinance in accordance with Section 52.013(b) of the Local Government Code.

SECTION 10.

This Ordinance shall be in full force and effect from and after the date of its passage and publication as required by law, and it is so ordained.

PASSED AND APPROVED ON THIS _____ DAY OF _____, 2020.

MAYOR, TODD FLIPPO
ATTEST:

CITY SECRETARY, JANICE ENGLAND

EFFECTIVE: _____

APPROVED AS TO FORM AND LEGALITY:

CITY ATTORNEY, BRYN MEREDITH

**MINUTES OF A REGULAR MEETING AND PUBLIC HEARING
OF THE CITY OF SAGINAW
PLANNING AND ZONING COMMISSION
HELD AT THE CITY OF SAGINAW CITY HALL
333 WEST MCCLEROY BOULEVARD
FEBRUARY 11, 2020**

Present at the Meeting:

Chairman	Place No. 3	Matthew Lewis
Vice Chairman	Place No. 1	Kenneth Haney
Member	Place No. 2	William Barngrover
Member	Place No. 4	Malinda Julien
Member	Place No. 5	Jason LaBruyere
Alternate Member	Alt. No. 2	Randy Villarreal
Director Public Works		Rick Trice
City Attorney		Alicia Kreh
Recording Secretary		Mary Ragle

Absent from the Meeting:

Alternate Member	Alt No. 1	John Peet
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Visitors at the Meeting:

Jon Julien
Jarred Coursey

(1) Call to Order

Chairman Lewis called the meeting to order at 6:00 p.m.

(2) Roll Call to Establish Quorum

Chairman Lewis called roll. The quorum will consist of Chairman Lewis, Vice Chairman Haney, Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

(3) Audience participation

Item bypassed.

(4) Approval of Minutes

The minutes of a regular meeting and public hearing on November 12, 2019 were presented for approval. A motion was made by Member LaBruyere with a second by Member Barngrover to approve the minutes for October 8, 2019 as presented. Motion carried unanimously.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent: Alternate Member John Peet

(5) PZ 0120-01 PUBLIC HEARING
Consideration And Action Regarding Approval Of Amending Ordinance No. 2002-04, The Zoning Regulations Of The City Of Saginaw, Texas; Amending The Requirements That Regulate Snow Cone Stands

Chairman Lewis opened the Public Hearing at 6:03 p.m.

Director of Public Works Rick Trice reviewed the information included in the members' packets for this item explaining this amendment resulted from requests of the snow cone operators wanting to open in March instead of April.

Chairman Lewis asked if there were any more comments. There were none.

Chairman Lewis closed the public hearing at 6:05 p.m.

A motion was made by Member Barngrover with a second by Member Julien to recommend that the city council approve Ordinance No. 2020-2 amending regulations for snow cone stands. Motion carried.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent Alternate Member John Peet

(6) PZ 0120-02 PUBLIC HEARING
Consideration And Action Regarding Approval Of Amending Ordinance No. 2002-04, The Zoning Regulations Of The City Of Saginaw, Texas, Amending The Requirements Adding "Mobile Food Truck Unit Park" As A Permitted Use In Community Facilities

Chairman Lewis opened the public hearing at 6:06 p.m.

DPW Trice reviewed the information included in the members' packets explaining this amendment is to show that Mobile Food Unit Park is allowed in Community Facility on the Permitted Use Table.

Chairman Lewis asked if there were any additional questions or comments. There were none

Chairman Lewis closed the public hearing at 6:07 p.m.

A motion was made by Vice Chairman Haney with a second by Member LaBruyere to recommend that the city council approve Ordinance 2020-03 amending regulations for Mobile Food Truck Unit Park. Motion carried.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent Alternate Member John Peet

(7) Staff Report
A. Discussion of Residential, Commercial, Industrial, and City Capital Projects
B. Previous Cases

DPW Trice reviewed projects and developments included in information included in the members' packets. He also gave an update on projects throughout the city.

(8) EXECUTIVE SESSION

1 § 551.071. Consultation with Attorney. The Planning and Zoning Commission may convene in executive session to conduct a private consultation with its attorney on any legally posted agenda item, when the Planning and Zoning Commission seeks the advice of its attorney about pending or contemplated litigation, a settlement offer, or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the provisions of Chapter 551, including the following items:

a. Any Posted Item

No executive session was held

(9) Adjournment

Motion was made by Member LaBruyere with a second by Member Julien to adjourn the meeting. Motion carried unanimously.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent Alternate Member John Peet

Chairman Lewis declared the meeting of February 11, 2020 closed at 6:14 p.m.

APPROVED:

Matthew Lewis, Chairman

ATTEST:

Mary Ragle, Recording Secretary



City of Saginaw

Meeting Date: 2/18/2020

Staff Contact: Rick Trice, P.E.
Director of Public Works

Agenda Items: (10)

E-mail: rtrice@saginawtx.org

Phone: (817) 230-0449

SUBJECT:

PUBLIC HEARING – Consideration and Action Regarding a Recommendation from the Planning and Zoning Commission Regarding to Amend the Zoning Ordinance (No. 2002-04) Amending the Regulations for “Mobile Food Unit Park”

BACKGROUND/DISCUSSION:

On August 21, 2018, City Council approved Ordinance 2018-13 that provided a definition for Farmer’s Market use and allowed it in the Community Facility (CF) district.

The recommended Ordinance will amend Sec. 5-1. – Permitted Use Table adding Mobile Food Unit Park as a permitted use in Community Facilities to read as follows:

Residential											Land Use Designation	Nonresidential						Supplemental Conditions
A	S	S	S	S	S	D	Z	M	M	M		O	N	C	C	L	H	
G	F	F	F	F	F	X	L	H	F	F		P	C	C	F	I	I	
	1	2	3	4	A		L		1	2								
											Mobile Food Unit Park	S	S	P	P	P		28

The Planning and Zoning Commission met on February 11, 2020 and unanimously recommended the ordinance amendment for consideration by City Council.

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

Staff recommends that Ordinance 2020-03 be approved as recommended by the Planning and Zoning

Commission.

ATTACHMENTS:

Description

Proposed Ordinance 2020-03

P&Z Draft Minutes 2-10-20

ORDINANCE NO. 2020-03

AN ORDINANCE OF THE CITY OF SAGINAW AMENDING APPENDIX A (ZONING) OF THE CODE OF ORDINANCES TO AMEND THE REGULATIONS FOR “MOBILE FOOD UNIT PARK”; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR A SAVINGS CLAUSE; PROVIDING A PENALTY CLAUSE; PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Saginaw, Texas is a home rule City acting under its Charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, the City of Saginaw, Texas has a substantial interest in protecting the health, safety, welfare, convenience and enjoyment of the general public and has adopted zoning regulations to further this interest; and

WHEREAS, public hearings in accordance with the requirements of the Local Government Code were held after proper notice of these hearings was given in accordance with said Code.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAGINAW, TEXAS:

SECTION 1.

Article 5, Section 5-1 (Permitted Use Table) of Appendix A, “Zoning,” to the Code of Ordinances for the City of Saginaw is hereby amended by amending the “Mobile Food Unit Park” use allowed under the “Commercial, Retail and Service Category” to add “Mobile Food Unit Park” as a permitted use in the CF (Community Facilities) zoning district in the Permitted Use Table.

Residential											Land Use Designation	Nonresidential						Supplemental Conditions
A	S	S	S	S	S	D	Z	M	M	M		O	N	C	C	L	H	
G	F	F	F	F	F	X	L	H	F	F		P	C	C	F	I	I	
	1	2	3	4	A		L		1	2								
											Mobile Food Unit Park		S	S	P	P	P	28

SECTION 2.

That this ordinance shall be cumulative of all other ordinances of the City of Saginaw and shall not repeal any of the provisions of such ordinances, except in those instances where provisions of such ordinances are in direct conflict with the provisions of this ordinance.

SECTION 3.

That it is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses and phrases of this ordinance are severable, and if any phrase, clause, sentence, paragraph or section of this ordinance shall be declared void, ineffective or unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such voidness, ineffectiveness, or unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs or sections of this ordinance, since the same would have been enacted by the City Council without the incorporation herein of any such void, ineffective or unconstitutional phrase, clause, sentence, paragraph or section.

SECTION 4.

That all rights or remedies of the City of Saginaw, Texas, are expressly saved as to any and all violations of the City Code or any amendments thereto regarding management of the public rights-of-way that have accrued at the time of the effective date of this ordinance; and as to such accrued violations, and all pending litigation, both civil or criminal, same shall not be affected by this ordinance but may be prosecuted until final disposition by the courts.

SECTION 5.

Any person, firm, or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this ordinance shall be fined not more than Two Thousand Dollars (\$2000.00) for each violation of this ordinance. Each day that a violation is permitted to exist shall constitute a separate offense.

SECTION 6.

The City Secretary of the City of Saginaw is hereby directed to publish at least twice in the official newspaper of the City of Saginaw, the caption and the penalty clause of this ordinance in accordance with Section 52.013(b) of the Local Government Code.

SECTION 7.

This Ordinance shall take effect immediately from and after its passage and publication in accordance with the provisions of the laws of the State of Texas.

PASSED AND APPROVED ON this the _____ day of _____, 2020.

TODD FLIPPO, MAYOR

ATTEST:

JANICE ENGLAND, CITY SECRETARY

APPROVED AS TO FORM AND LEGALITY:

BRYN MEREDITH, CITY ATTORNEY

**MINUTES OF A REGULAR MEETING AND PUBLIC HEARING
OF THE CITY OF SAGINAW
PLANNING AND ZONING COMMISSION
HELD AT THE CITY OF SAGINAW CITY HALL
333 WEST MCCLEROY BOULEVARD
FEBRUARY 11, 2020**

Present at the Meeting:

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Vice Chairman	Place No. 1	Kenneth Haney
Member	Place No. 2	William Barngrover
Member	Place No. 4	Malinda Julien
Member	Place No. 5	Jason LaBruyere
Alternate Member	Alt. No. 2	Randy Villarreal
Director Public Works		Rick Trice
City Attorney		Alicia Kreh
Recording Secretary		Mary Ragle

Absent from the Meeting:

Alternate Member	Alt No. 1	John Peet
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Visitors at the Meeting:

Jon Julien
Jarred Coursey

(1) Call to Order

Chairman Lewis called the meeting to order at 6:00 p.m.

(2) Roll Call to Establish Quorum

Chairman Lewis called roll. The quorum will consist of Chairman Lewis, Vice Chairman Haney, Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

(3) Audience participation

Item bypassed.

(4) Approval of Minutes

The minutes of a regular meeting and public hearing on November 12, 2019 were presented for approval. A motion was made by Member LaBruyere with a second by Member Barngrover to approve the minutes for October 8, 2019 as presented. Motion carried unanimously.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent: Alternate Member John Peet

(5) PZ 0120-01 PUBLIC HEARING
Consideration And Action Regarding Approval Of Amending Ordinance No. 2002-04, The Zoning Regulations Of The City Of Saginaw, Texas; Amending The Requirements That Regulate Snow Cone Stands

Chairman Lewis opened the Public Hearing at 6:03 p.m.

Director of Public Works Rick Trice reviewed the information included in the members' packets for this item explaining this amendment resulted from requests of the snow cone operators wanting to open in March instead of April.

Chairman Lewis asked if there were any more comments. There were none.

Chairman Lewis closed the public hearing at 6:05 p.m.

A motion was made by Member Barngrover with a second by Member Julien to recommend that the city council approve Ordinance No. 2020-2 amending regulations for snow cone stands. Motion carried.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent Alternate Member John Peet

(6) PZ 0120-02 PUBLIC HEARING
Consideration And Action Regarding Approval Of Amending Ordinance No. 2002-04, The Zoning Regulations Of The City Of Saginaw, Texas, Amending The Requirements Adding "Mobile Food Truck Unit Park" As A Permitted Use In Community Facilities

Chairman Lewis opened the public hearing at 6:06 p.m.

DPW Trice reviewed the information included in the members' packets explaining this amendment is to show that Mobile Food Unit Park is allowed in Community Facility on the Permitted Use Table.

Chairman Lewis asked if there were any additional questions or comments. There were none

Chairman Lewis closed the public hearing at 6:07 p.m.

A motion was made by Vice Chairman Haney with a second by Member LaBruyere to recommend that the city council approve Ordinance 2020-03 amending regulations for Mobile Food Truck Unit Park. Motion carried.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent Alternate Member John Peet

(7) Staff Report
A. Discussion of Residential, Commercial, Industrial, and City Capital Projects
B. Previous Cases

DPW Trice reviewed projects and developments included in information included in the members' packets. He also gave an update on projects throughout the city.

(8) EXECUTIVE SESSION

1 § 551.071. Consultation with Attorney. The Planning and Zoning Commission may convene in executive session to conduct a private consultation with its attorney on any legally posted agenda item, when the Planning and Zoning Commission seeks the advice of its attorney about pending or contemplated litigation, a settlement offer, or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the provisions of Chapter 551, including the following items:

a. Any Posted Item

No executive session was held

(9) Adjournment

Motion was made by Member LaBruyere with a second by Member Julien to adjourn the meeting. Motion carried unanimously.

For: Chairman Lewis, Vice Chairman Haney
Members Barngrover, Julien, LaBruyere, Alternate Member Villarreal

Against: None

Absent Alternate Member John Peet

Chairman Lewis declared the meeting of February 11, 2020 closed at 6:14 p.m.

APPROVED:

Matthew Lewis, Chairman

ATTEST:

Mary Ragle, Recording Secretary



City of Saginaw

Meeting Date: 2/18/2020

Staff Contact: Rick Trice, P.E.
Director of Public Works

Agenda Items: (11)

E-mail: rtrice@saginawtx.org

Phone: (817) 230-0449

SUBJECT:

Consideration and Action Regarding approval of a Request for a Specific Use Permit to allow a day care facility on Lot 30, Block 2 (912 North Old Decatur Road), of the Saginaw Springs Addition, Located on the northeast corner of Old Decatur Road and W.J. Boaz Road in Saginaw (Continued from December 3, 2019 meeting).

BACKGROUND/DISCUSSION:

On December 3, 2019, the City Council conducted a Public Hearing to consider a request for a Special Use Permit to allow a day care facility on Lot 30, Block 2 (912 North Old Decatur Road), of the Saginaw Springs Addition.

The property is currently zoned Planned Development (PD)/Neighborhood Commercial. The Ultimate Land Use Plan designates the property as Planned Development (PD)/Neighborhood Commercial. A Specific Use Permit is required to allow a day care facility in Neighborhood Commercial (CC) zoning.

The request was continued due to City Council concerns about traffic impacts related to the proposed facility. A Traffic Impact Analysis was required by the City Council as a condition of approval.

A Traffic Impact Analysis has been conducted by the applicant and reviewed by Kimley-Horn & Associates, Inc. The results of the TIA indicate that “the development is expected to have minimal impacts to the intersection of Old Decatur and WJ Boaz, with overall LOS C maintained for proposed conditions.”

FINANCIAL IMPACT:

N.A.

RECOMMENDATION:

Staff recommends approval of the Specific Use Permit allowing a day care facility on Lot 30, Block 2 (912 North Old Decatur Road), of the Saginaw Springs Addition, Located on the northeast corner of Old Decatur Road and W.J. Boaz Road in Saginaw (Ordinance No. 2020-04).

ATTACHMENTS:

Description

TIA Report



Traffic Impact Analysis

The Learning Experience

Saginaw, Texas

22 January 2020

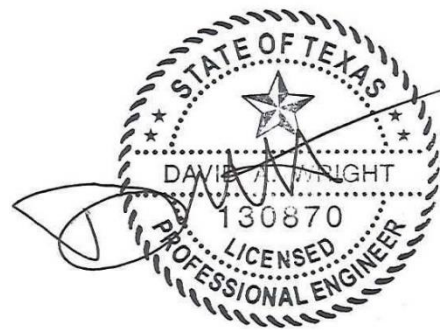
TRAFFIC IMPACT
GROUP, LLC

1431 Greenway Drive, Suite 800
Irving, TX 75038
972.358.6383



The Learning Center - Saginaw

I hereby certify that this report was prepared by me
or under my direct supervision, and that I am a duly
Licensed Professional Engineer under the laws of the
State of Texas.



01/22/2020

David A. Wright, P.E., PTOE
License No. 130870

Executive Summary

Project Description

The Learning Experience is a proposed day care development in Saginaw, Texas. The site is located in the northeast of corner of Old Decatur Road and WJ Boaz Road.

The development is proposed to consist of a 10,000-square-foot day care center. Access to the property will be via two access driveways: one right-in/right-out from the east to Old Decatur Road and one full-access driveway from the north to WJ Boaz Road.

The City of Saginaw is requiring a Traffic Impact Analysis (TIA) to determine if the proposed development traffic can be accommodated within the existing transportation infrastructure.

Trip Generation

The proposed new development is expected to generate 476 daily trips, with 58 new entering trips and 52 new exiting trips in the AM peak hour, and 52 new entering and 59 new exiting trips in the PM peak hour.

Traffic Impacts

Old Decatur Road & WJ Boaz Road

Analysis of existing conditions shows that the intersection experiences LOS C overall in the AM and PM peak hours.

For the Full Build 2021 scenario, LOS C is maintained overall in the AM and PM peak hours. No improvements are recommended.

WJ Boaz Road & Access A

Minimum LOS B is expected for Full Build 2021 conditions. The proposed bypass shoulder for eastbound traffic provides free flow for the through traffic and a de facto left-turn lane. No other improvements are recommended.

Old Decatur Road & Access B

Minimum LOS B is expected for Full Build 2021 conditions for this right-in/right-out access. No improvements are recommended.

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I. Introduction

The Learning Experience is a proposed day care development in Saginaw, Texas. The site is located in the northeast of corner of Old Decatur Road and WJ Boaz Road.

The development is proposed to consist of a 10,000-square-foot day care center. Access to the property will be via two access driveways: one right-in/right-out from the east to Old Decatur Road and one full-access driveway from the north to WJ Boaz Road.

The City of Saginaw is requiring a Traffic Impact Analysis (TIA) to determine if the proposed development traffic can be accommodated within the existing transportation infrastructure.

Information from the City of Saginaw, **2016 Comprehensive Master Plan and Capital Improvement Plan**, was utilized in the completion of this study.

The study area included the following intersections:

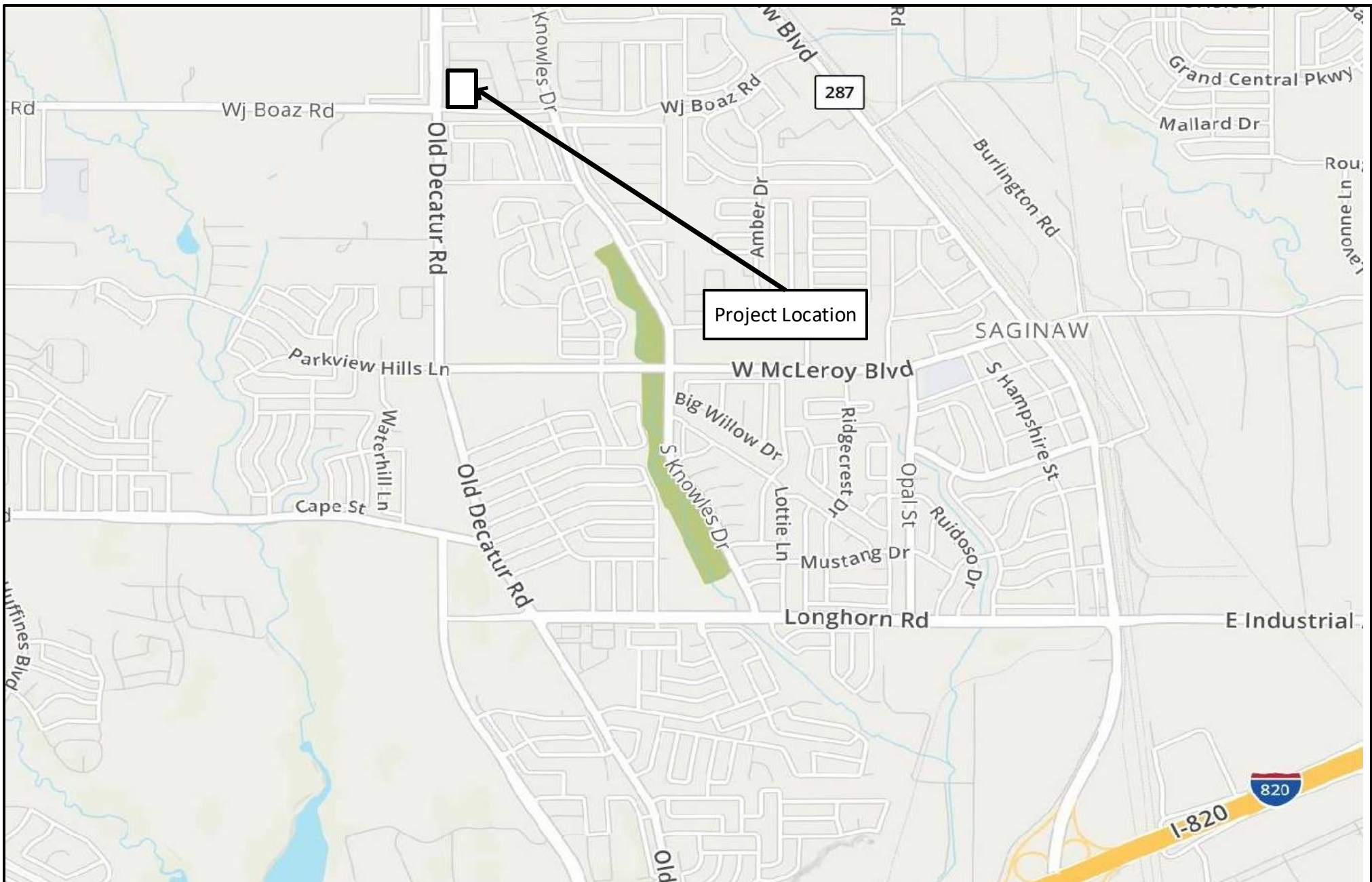
- Old Decatur Road & WJ Boaz Road
- WJ Boaz Road & Project Access A
- Old Decatur Road & Project Access B

The study analyzed the following scenarios:

- 2019 Existing Conditions
- Full Build 2021 Conditions

The AM peak hour and PM peak hour were analyzed.

Figure 1 shows the most recent site plan. **Figure 2** shows the project vicinity map.



Vicinity Map

Figure 2

The Learning Experience - Saginaw

Date: 18 December 2019

TRAFFIC IMPACT
GROUP, LLC

II. Existing Conditions

A. EXISTING ROADWAY CONDITIONS

Table 2.1 presents a summary of the existing roadway conditions in the study area. **Figure 2** shows the roadways in the study area.

Table 2.1 - Existing Roadways				
Street Name	Functional Class	Typical Section	Posted Speed	AADT
Old Decatur Road	Minor Arterial	Four-lane divided	40 mph	12,643
WJ Boaz Road	Major Collector	Two-lane undivided	30 mph	-

B. EXISTING INTERSECTION GEOMETRY

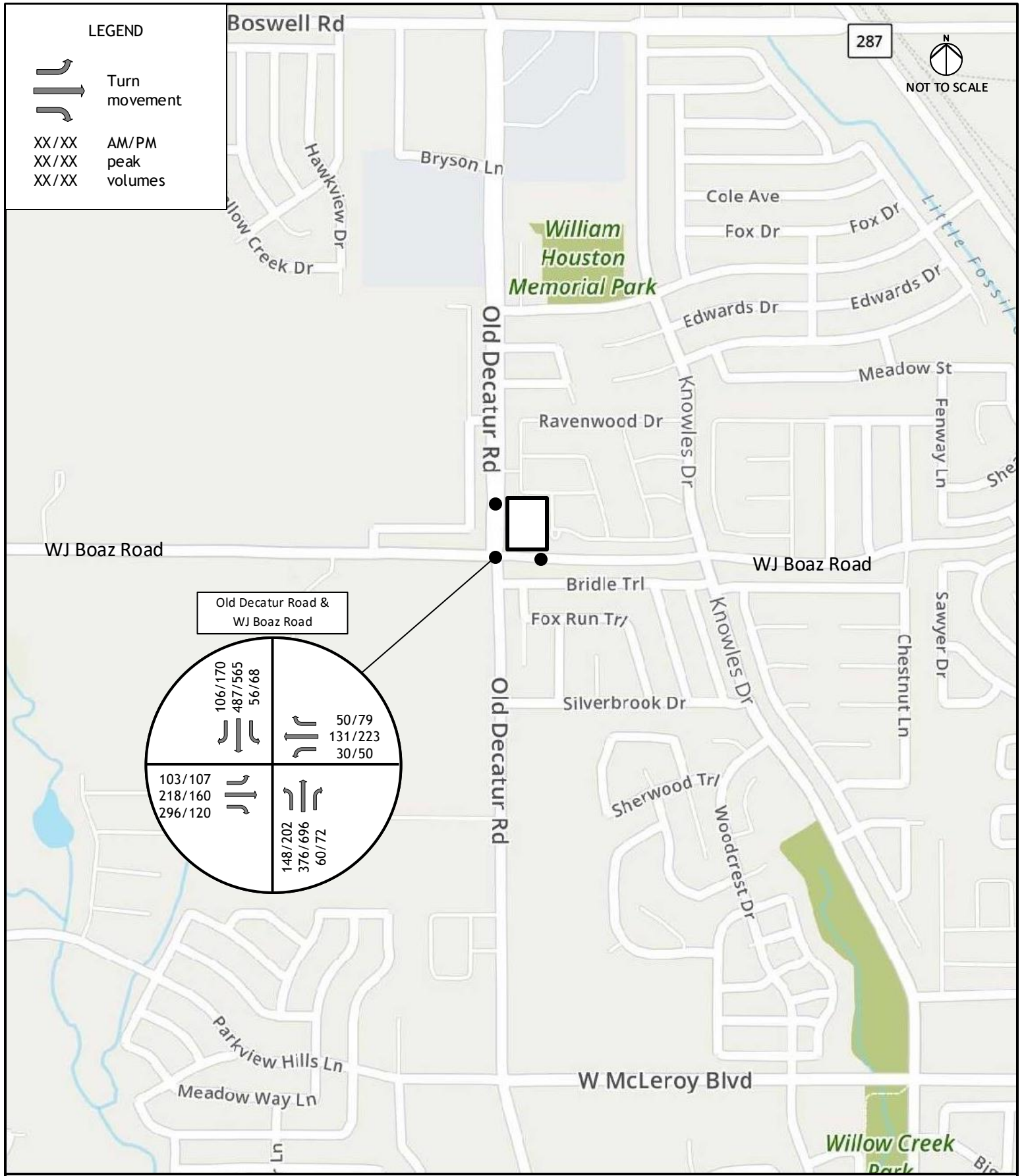
Old Decatur Road & WJ Boaz Road is signalized with permitted phasing only for the eastbound and westbound approaches and protected/permitted left-turn phasing for the northbound and southbound approaches. The eastbound approach consists of a left-turn lane and a combination through/right lane. The westbound approach is a single lane. The northbound and southbound approaches consist of left-turn lanes, a through lane, and a combination through/right lane.

Access A is proposed to be a full-access driveway to WJ Boaz Road. Its location is proposed to be approximately 250 ft. east of Old Decatur Road. Access B is proposed to be a right-in/right-out driveway located approximately 300 ft. north of WJ Boaz Road.

C. TRAFFIC VOLUMES

Traffic data collection for study area intersections was performed on December 12, 2019. **Figure 3** displays existing traffic volumes. These volumes can be found in the Appendix.

Current Average Annual Daily Traffic (AADT) volumes were retrieved from the TxDOT Planning Office website.



Existing Traffic Volumes

Figure 3

Date: 19 December 2019

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III. Methodology

A. BASE ASSUMPTIONS

Intersection capacity analysis was conducted using Synchro v10.0. Trip generation was calculated using the 10th edition of the Institute of Transportation Engineers (ITE) *Trip Generation Manual*. Right-turn and left-turn lanes were examined using the National Cooperative Highway Research Program (NCHRP) Report No. 279 *Intersection Channelization Design Guide*. Signal timing was determined from site observation.

B. BACKGROUND GROWTH

The average annual background growth rate was determined from the *City of Saginaw 2016 Comprehensive Master Plan and Capital Improvement Plan*, Table 1.1, Population Projection. This table indicated a projected growth rate of 2% per year from 2016 to 2033.

Existing volumes were increased by 2% per year to estimate background growth for Full Build 2021 conditions.

C. TRIP GENERATION

The development is proposed to consist of a 10,000-square-foot Day Care Center.

The *ITE Trip Generation Manual, 10th Edition* was used to estimate the projected trips by this development. Table 3.1 contains the summary of the land uses and sizes used for trip generation estimates.

Table 3.1 - ITE Trip Generation								
Average Weekday Driveway Volumes					AM Peak Hour		PM Peak Hour	
Land Use	ITE Code	Size		Daily Trips	Enter	Exit	Enter	Exit
Day Care Center	565	10	Th.Sq.Ft. GFA	476	58	52	52	59
Total New Peak Hour Trips to Adjacent Network					58	52	52	59

D. TRIP DISTRIBUTION

Trips for this proposed development were assigned to the surrounding roadway network based on existing traffic patterns.

The proposed trip distribution for this project can be found in **Figure 4**, and the projected site trips are shown in **Figure 5**. Full Build 2021 volumes are shown in **Figure 6**.

E. PROGRAMMED IMPROVEMENTS

The *City of Saginaw 2016 Comprehensive Master Plan and Capital Improvement Plan* has identified that WJ Boaz Road will be improved in the future from its current two-lane configuration. No specific date is given. A 12-ft. bypass shoulder will be constructed at the WJ Boaz Road, Project Access A driveway to accommodate left-turning vehicles in the interim.



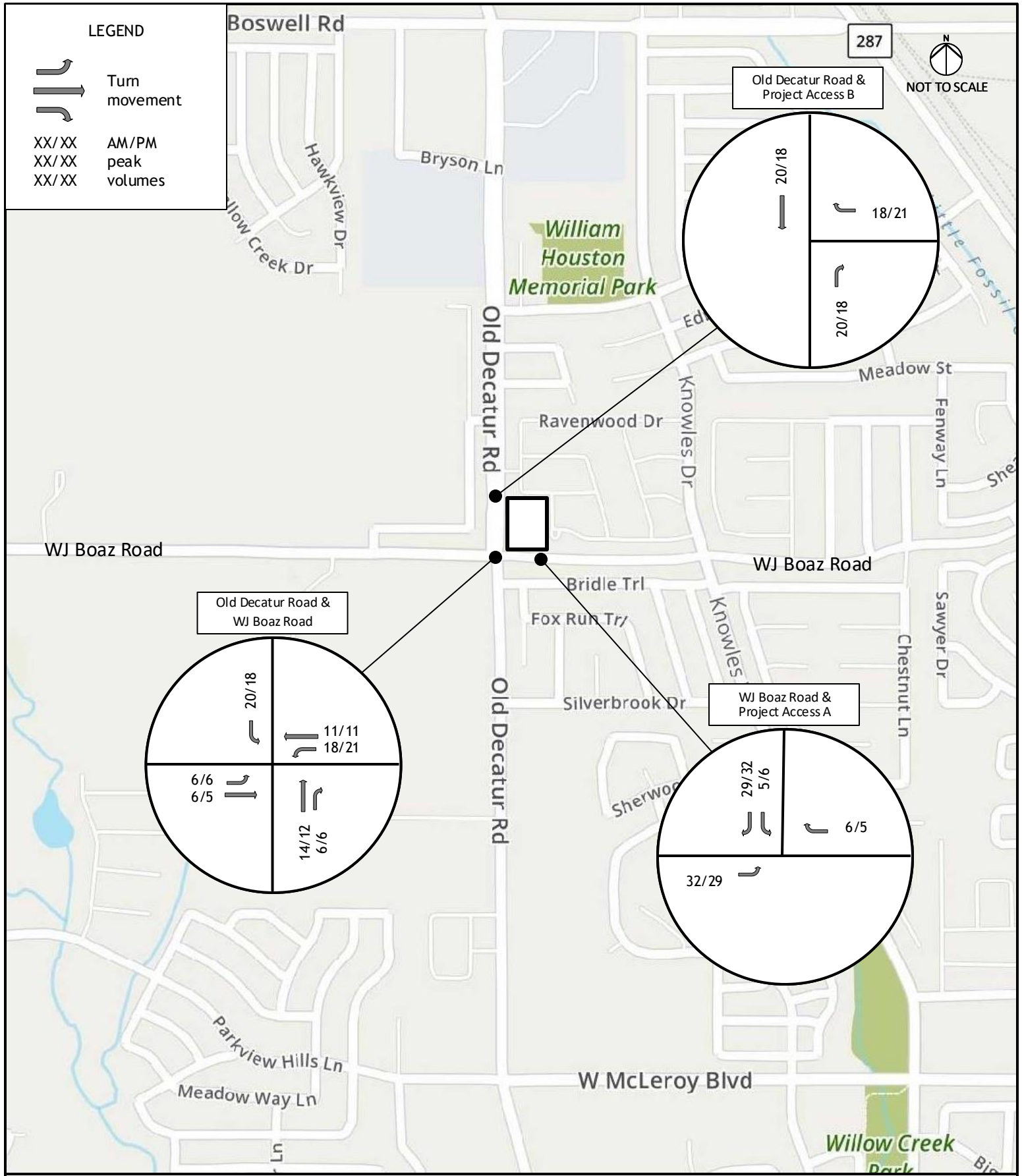
Trip Distribution

Figure 4

The Learning Experience - Saginaw

Date: 19 December 2019

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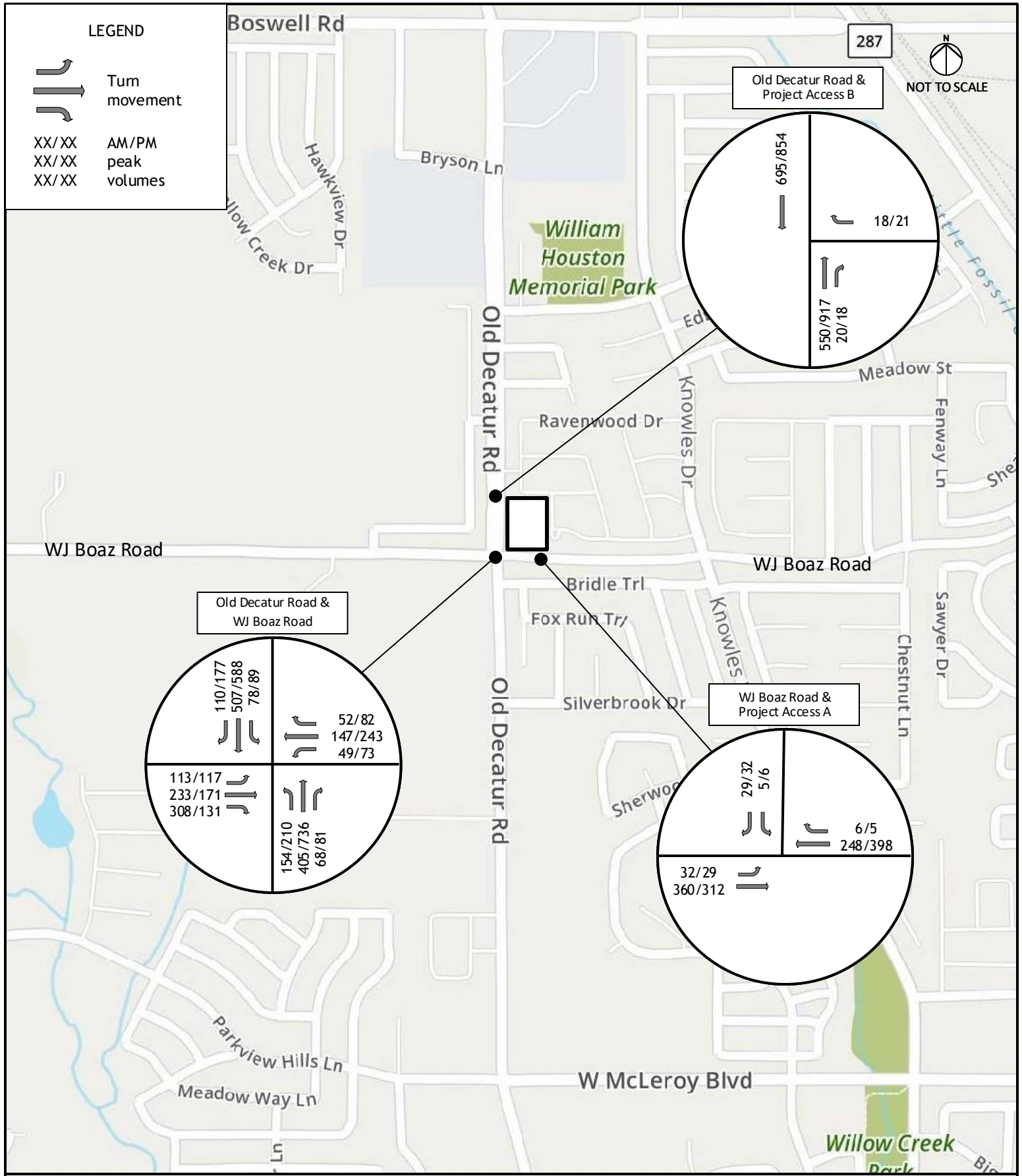
Site Trips

Figure 5

The Learning Experience - Saginaw

Date: 19 December 2019

TRAFFIC IMPACT
GROUP, LLC



Full Build 2021 Volumes

Figure 6

Date: 26 December 2019

IV. Turn Lane/Access Management

A. RIGHT-TURN LANES

The National Cooperative Highway Research Program (NCHRP) Report 279 *Intersection Channelization Design Guide* was used to determine right-turn lane and left-turn lane warrants for this study.

For public officials that do not have formal thresholds for determining when new access requires turn lane treatments, the NCHRP Report 279 is a tool for assessing the impacts from development. Specifically, this report allows the traffic engineering professional to input roadway type, posted speed, advancing volume (and opposing volume for left turns), and number of turning vehicles. The result is a plot on a graph defined by the above inputs as either recommending turn lanes or not.

Table 4.1 shows the volumes used for analysis.

Table 4.1 Right-Turn Lane Analysis						
Driveway	AM/ PM	Approach	Posted Speed	Advancing Vol	RT Vol	Turn Lane Needed?
WJ Boaz Rd & Project Access A	AM	WB	30	254	6	No
	PM			403	5	No
Old Decatur Rd & Project Access B	AM	NB	40	570	20	No
	PM			935	18	No

Based on Full Build 2021 volumes, no right-turn lanes from either WJ Boaz Road or Old Decatur Road are required for Project Access driveways A or B. These calculations can be found in the Appendix.

B. LEFT-TURN LANES

No left-turn lane analysis was required for this development. Project Access A will have a 12-ft. asphalt bypass shoulder constructed for eastbound traffic, which provides a de facto left-turn lane at this location. Project Access B is right-in/right-out only.

V. Capacity Analysis

The Transportation Research Board's Highway Capacity Manual (HCM) utilizes a term "level of service" (LOS) to measure how traffic operates in intersections. There are currently six levels of service ranging from A to F. Level of Service "A" represents the best conditions and Level of Service "F" represents the worst. Synchro software was used to determine the level of service for intersections in the study area. All worksheet reports from the analyses can be found in the Appendix.

Table 5.1 shows the control delay per vehicle associated with LOS A through F for signalized and unsignalized intersections.

Table 5.1 - Highway Capacity Manual Levels of Service and Control Delay			
Signalized Intersection		Unsignalized Intersection	
Level of Service	Control Delay per Vehicle (sec)	Level of Service	Control Delay per Vehicle (sec)
A	≤ 10	A	≤ 10
B	> 10 and ≤ 20	B	> 10 and ≤ 15
C	> 20 and ≤ 35	C	> 15 and ≤ 25
D	> 35 and ≤ 55	D	> 25 and ≤ 35
E	> 55 and ≤ 80	E	> 35 and ≤ 50
F	> 80	F	> 50

A. OLD DECATUR ROAD & WJ BOAZ ROAD

Old Decatur Road & WJ Boaz Road is signalized with permitted phasing only for the eastbound and westbound approaches and protected/permitted left-turn phasing for the northbound and southbound approaches. The eastbound approach consists of a left-turn lane and a combination through/right lane. The westbound approach is a single lane. The northbound and southbound approaches consist of left-turn lanes, a through lane, and a combination through/right lane.

Table 5.2 shows the current LOS, control delay, and 95th percentile queue length for existing conditions.

Table 5.2 - Intersection LOS, Delay, and Queue by Movement - 2019 Existing								
Intersection	Approach	Movement	AM			PM		
			LOS	Delay	Queue	LOS	Delay	Queue
Old Decatur Road & WJ Boaz Road	EB	LT	B	18.4	78'	C	31.9	101'
		TH	C	27.9	342'	C	21.7	184'
		RT						
	WB	LT	C	21.7	150'	C	34.2	267'
		TH						
		RT						
	NB	LT	B	17.0	94'	B	13.0	97'
		TH	B	18.0	146'	B	16.6	222'
		RT						
	SB	LT	B	14.5	42'	B	11.1	38'
		TH	C	28.3	222'	C	24.2	248'
		RT						
	OVERALL			C (23.7)			C (22.1)	

Table 5.3 shows the expected LOS, control delay, and 95th percentile queue length for Full Build 2021 conditions.

Table 5.3 - Intersection LOS, Delay, and Queue by Movement - 2021 Full Build								
Intersection	Approach	Movement	AM			PM		
			LOS	Delay	Queue	LOS	Delay	Queue
Old Decatur Road & WJ Boaz Road	EB	LT	B	19.1	86'	C	30.7	112'
		TH	C	30.1	374'	C	21.2	196'
		RT						
	WB	LT	D	39.0	243'	D	40.7	368'
		TH						
		RT						
	NB	LT	B	18.7	97'	B	17.5	111'
		TH	C	20.2	158'	B	19.3	240'
		RT						
	SB	LT	B	15.9	55'	B	14.0	47'
		TH	C	29.5	233'	C	27.9	261'
		RT						
	OVERALL			C (27.0)			C (25.3)	

Analysis shows that given existing conditions, without the improvement to WJ Boaz Road, this development can be added to the current infrastructure while maintaining acceptable levels of service, overall LOS C in both the AM and PM peak hours. No improvements are recommended.

Future add-lane improvements to WJ Boaz Road from Old Decatur Road to Knowles Drive will improve the operational characteristics at this intersection. For example, the 95% westbound queue length of 368 ft. calculated above for the PM peak hour would be reduced to 231 ft. with the addition of a westbound left-turn lane at Old Decatur Road. If a right-turn lane is added to the westbound approach also, the 95% westbound queue length is further reduced to 186 ft. Based on the right-of-way shown on the site plan, this configuration appears to be anticipated.

It should also be noted that the Project Access A turning volumes are predominantly right turning vehicles, with only 5/6 left-turns for the full build condition, AM/PM respectively. During peak times, courteous drivers will provide gaps during stop conditions for these vehicles to exit.

B. WJ BOAZ ROAD & PROJECT ACCESS A

Access A is proposed to be a full-access driveway to WJ Boaz Road. Its location is proposed to be approximately 250 ft. east of Old Decatur Road. The eastbound approach consists of a 12-ft. asphalt bypass shoulder constructed for eastbound traffic, which provides a de facto left-turn lane and a through lane. The westbound and southbound approaches both consist of a single lane.

Table 5.4 shows the expected LOS, control delay, and 95th percentile queue length for Full Build 2021 conditions.

Table 5.4 - Intersection LOS, Delay, and Queue by Movement - 2021 Full Build								
Intersection	Approach	Movement	AM			PM		
			LOS	Delay	Queue	LOS	Delay	Queue
WJ Boaz Road & Project Access A	EB	LT	A	7.9	3'	A	8.3	3'
		TH	FREE					
	WB	TH	FREE					
		RT						
	SB	LT	B	10.7	5'	B	12.1	5'
		RT						

Analysis shows that Project Access A operates at acceptable levels of service. The asphalt bypass shoulder will provide free-flow conditions for eastbound traffic on WJ Boaz Road around left-turning vehicles. Future improvements to WJ Boaz Road from Old Decatur Road to Knowles Drive will improve the operational characteristics at this driveway.

C. OLD DECATUR ROAD & PROJECT ACCESS B

Access B is proposed to be a right-in/right-out driveway located approximately 300 ft. north of WJ Boaz Road. The westbound approach is a single lane. The northbound and southbound approaches both consist of two lanes.

Table 5.5 shows the expected LOS, control delay, and 95th percentile queue length for Full Build 2021 conditions.

Table 5.5 - Intersection LOS, Delay, and Queue by Movement - 2021 Full Build								
Intersection	Approach	Movement	AM			PM		
			LOS	Delay	Queue	LOS	Delay	Queue
WJ Boaz Road & Project Access B	WB	RT	B	10.4	3'	B	12.3	3'
	NB	TH	FREE					
		RT						
	SB	TH	FREE					

Analysis shows that Project Access B operates at acceptable levels of service for proposed conditions. No improvements are recommended.

VI. Summary and Conclusion

This study serves as an analysis of the traffic impacts from The Learning Experience day care development in Saginaw, Texas.

The City of Saginaw is requiring a Traffic Impact Analysis (TIA) to determine if the proposed development traffic can be accommodated within the existing transportation infrastructure.

The proposed development is expected to generate 476 external trips daily, with 58 entering and 52 exiting trips in the AM peak hour, and 52 entering and 59 exiting trips in the PM peak hour.

Analysis shows that the development is expected to have minimal impacts to the intersection of Old Decatur Road and WJ Boaz Road, with overall LOS C maintained for proposed conditions. Future improvements to WJ Boaz Road will provide even better levels of service.

Analysis for the proposed Access A driveway shows that one ingress lane and one egress lane will suffice for the proposed development of the Full Build 2021 scenario. The left-turn lane provided by the bypass lane will allow for free-flow eastbound through traffic. No right-turn lane from WJ Boaz Road is required.

The Access B driveway is proposed to be right-in/right-out and operates at an acceptable level of service. No right-turn lane for northbound traffic on Old Decatur Road is required.

Appendix

Background Information

Traffic Volumes

Trip Generation

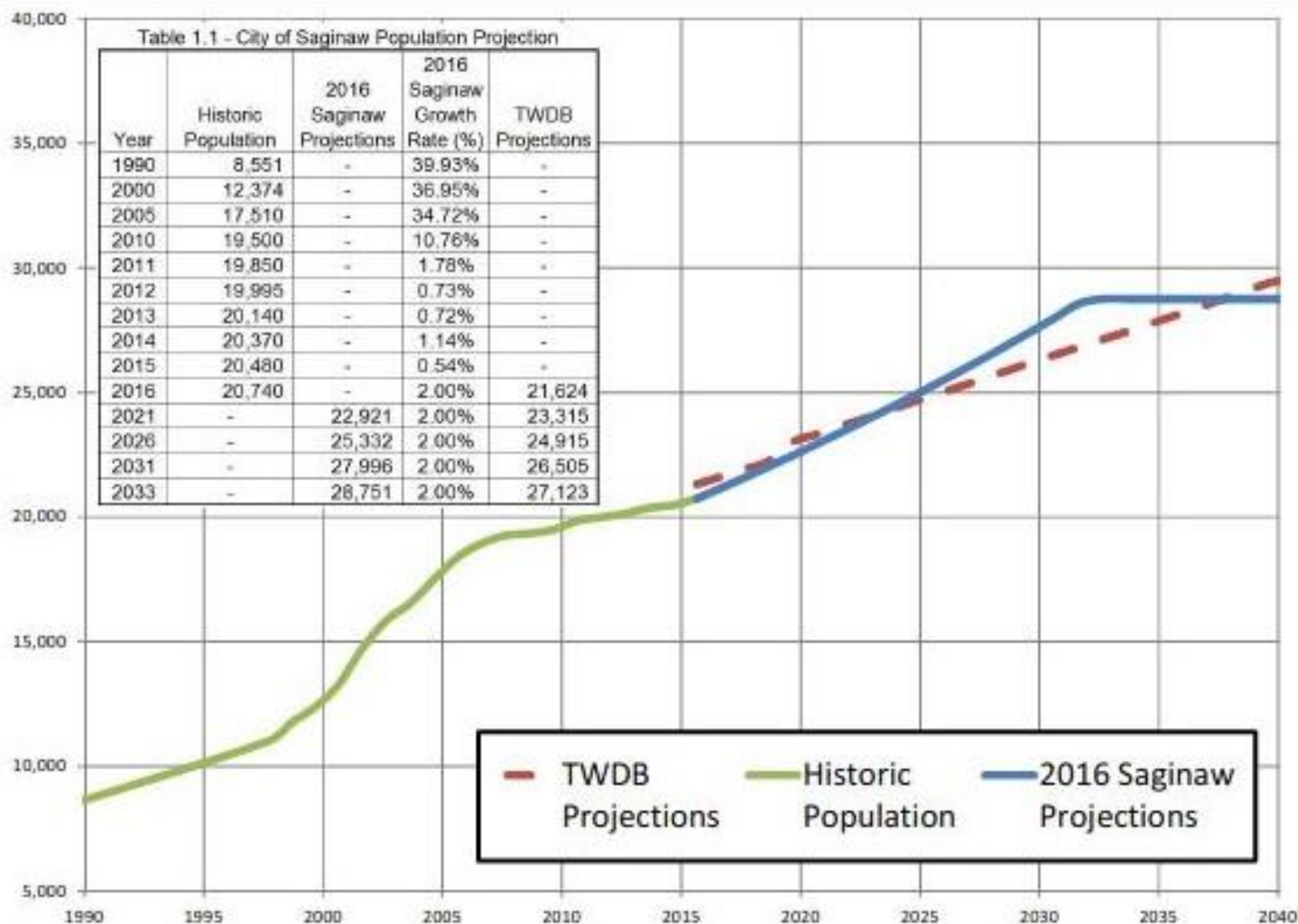
Capacity Analysis

Turn Lanes

BACKGROUND INFORMATION

Table 1.1 - City of Saginaw Population Projection

Year	Historic Population	2016 Saginaw Projections	2016 Saginaw Growth Rate (%)	TWDB Projections
1990	8,551	-	39.93%	-
2000	12,374	-	36.95%	-
2005	17,510	-	34.72%	-
2010	19,500	-	10.76%	-
2011	19,850	-	1.78%	-
2012	19,995	-	0.73%	-
2013	20,140	-	0.72%	-
2014	20,370	-	1.14%	-
2015	20,480	-	0.54%	-
2016	20,740	-	2.00%	21,624
2021	-	22,921	2.00%	23,315
2026	-	25,332	2.00%	24,915
2031	-	27,996	2.00%	26,505
2033	-	28,751	2.00%	27,123



TRAFFIC VOLUMES

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: OLD DECATUR
RD @ WJ BOAZ RD
Site Code:
Start Date: 12/12/2019
Page No: 1

Turning Movement Data

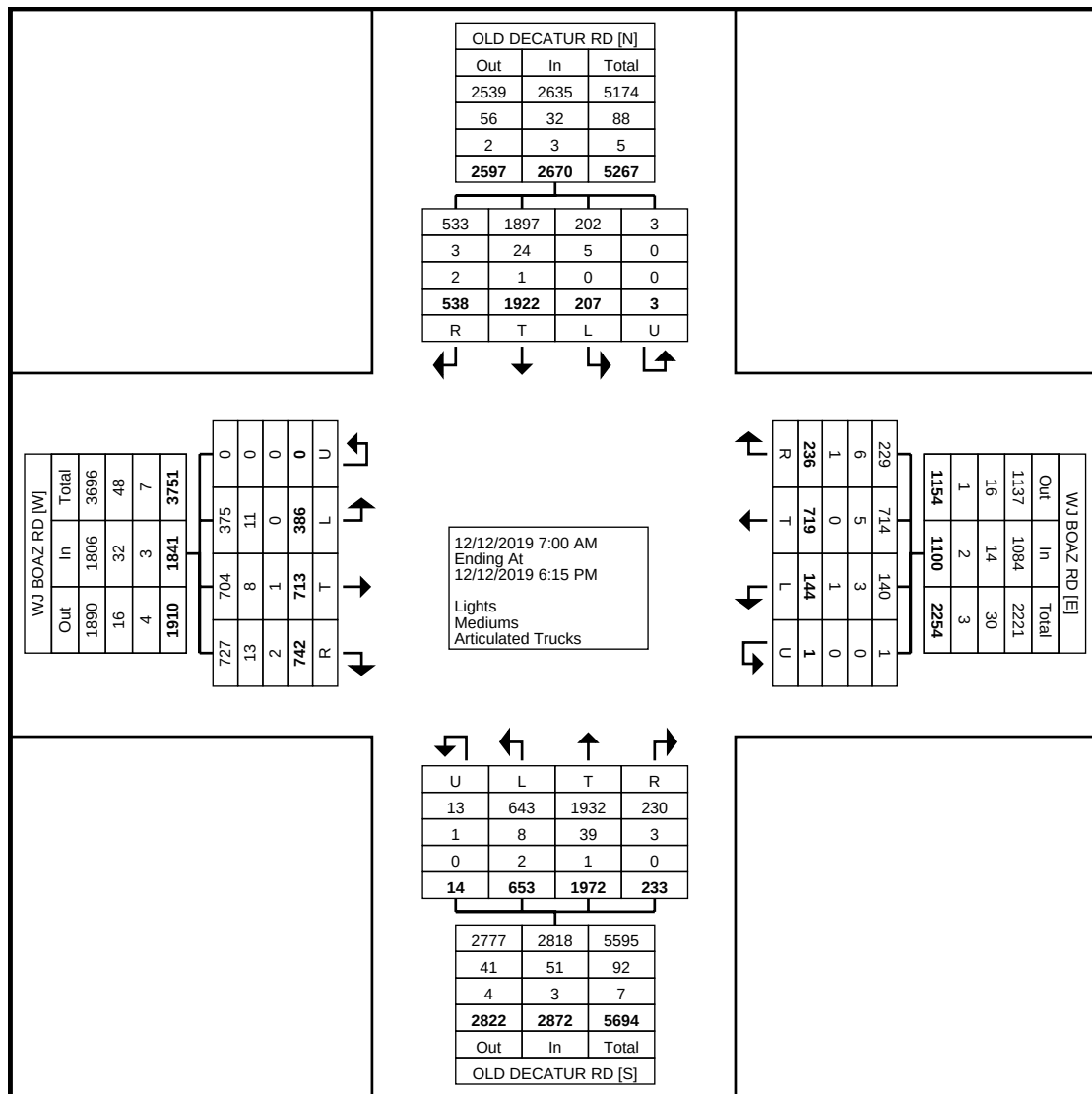
Start Time	OLD DECATUR RD Southbound					WJ BOAZ RD Westbound					OLD DECATUR RD Northbound					WJ BOAZ RD Eastbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
7:00 AM	13	132	14	0	159	7	19	16	0	42	24	69	16	0	109	21	36	66	0	123	433
7:15 AM	27	138	24	0	189	8	34	17	0	59	35	72	12	5	124	17	53	93	0	163	535
7:30 AM	16	128	34	1	179	7	27	11	0	45	44	122	19	1	186	33	57	88	0	178	588
7:45 AM	4	124	23	0	151	11	38	9	0	58	34	94	24	1	153	27	47	74	0	148	510
Hourly Total	60	522	95	1	678	33	118	53	0	204	137	357	71	7	572	98	193	321	0	612	2066
8:00 AM	9	97	25	0	131	4	32	13	0	49	35	88	5	0	128	26	61	41	0	128	436
8:15 AM	4	86	17	0	107	6	35	14	0	55	17	41	3	1	62	15	48	41	0	104	328
8:30 AM	3	89	15	0	107	4	36	14	0	54	24	73	5	0	102	21	32	35	0	88	351
8:45 AM	6	70	24	0	100	2	45	13	0	60	30	81	6	0	117	15	36	39	0	90	367
Hourly Total	22	342	81	0	445	16	148	54	0	218	106	283	19	1	409	77	177	156	0	410	1482
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
4:00 PM	8	121	34	1	164	17	68	15	1	101	54	135	27	1	217	33	49	45	0	127	609
4:15 PM	13	117	45	0	175	8	52	14	0	74	59	166	16	0	241	15	31	22	0	68	558
4:30 PM	27	118	66	0	211	12	60	10	0	82	53	162	17	2	234	29	53	29	0	111	638
4:45 PM	16	140	48	0	204	11	44	21	0	76	36	186	21	1	244	33	42	29	0	104	628
Hourly Total	64	496	193	1	754	48	224	60	1	333	202	649	81	4	936	110	175	125	0	410	2433
5:00 PM	13	134	36	0	183	18	57	20	0	95	46	152	14	1	213	25	37	25	0	87	578
5:15 PM	22	140	41	0	203	15	52	17	0	84	60	180	21	0	261	28	40	42	0	110	658
5:30 PM	17	151	45	0	213	6	70	21	0	97	58	178	16	0	252	21	41	30	0	92	654
5:45 PM	9	137	47	1	194	8	50	11	0	69	44	172	11	1	228	27	50	43	0	120	611
Hourly Total	61	562	169	1	793	47	229	69	0	345	208	682	62	2	954	101	168	140	0	409	2501
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	207	1922	538	3	2670	144	719	236	1	1100	653	1972	233	14	2872	386	713	742	0	1841	8483
Approach %	7.8	72.0	20.1	0.1	-	13.1	65.4	21.5	0.1	-	22.7	68.7	8.1	0.5	-	21.0	38.7	40.3	0.0	-	-
Total %	2.4	22.7	6.3	0.0	31.5	1.7	8.5	2.8	0.0	13.0	7.7	23.2	2.7	0.2	33.9	4.6	8.4	8.7	0.0	21.7	-
Lights	202	1897	533	3	2635	140	714	229	1	1084	643	1932	230	13	2818	375	704	727	0	1806	8343
% Lights	97.6	98.7	99.1	100.0	98.7	97.2	99.3	97.0	100.0	98.5	98.5	98.0	98.7	92.9	98.1	97.2	98.7	98.0	-	98.1	98.3
Mediums	5	24	3	0	32	3	5	6	0	14	8	39	3	1	51	11	8	13	0	32	129
% Mediums	2.4	1.2	0.6	0.0	1.2	2.1	0.7	2.5	0.0	1.3	1.2	2.0	1.3	7.1	1.8	2.8	1.1	1.8	-	1.7	1.5
Articulated Trucks	0	1	2	0	3	1	0	1	0	2	2	1	0	0	3	0	1	2	0	3	11
% Articulated Trucks	0.0	0.1	0.4	0.0	0.1	0.7	0.0	0.4	0.0	0.2	0.3	0.1	0.0	0.0	0.1	0.0	0.1	0.3	-	0.2	0.1

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: OLD DECATUR
RD @ WJ BOAZ RD
Site Code:
Start Date: 12/12/2019
Page No: 2



Turning Movement Data Plot

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: OLD DECATUR
RD @ WJ BOAZ RD
Site Code:
Start Date: 12/12/2019
Page No: 3

Turning Movement Peak Hour Data (7:15 AM)

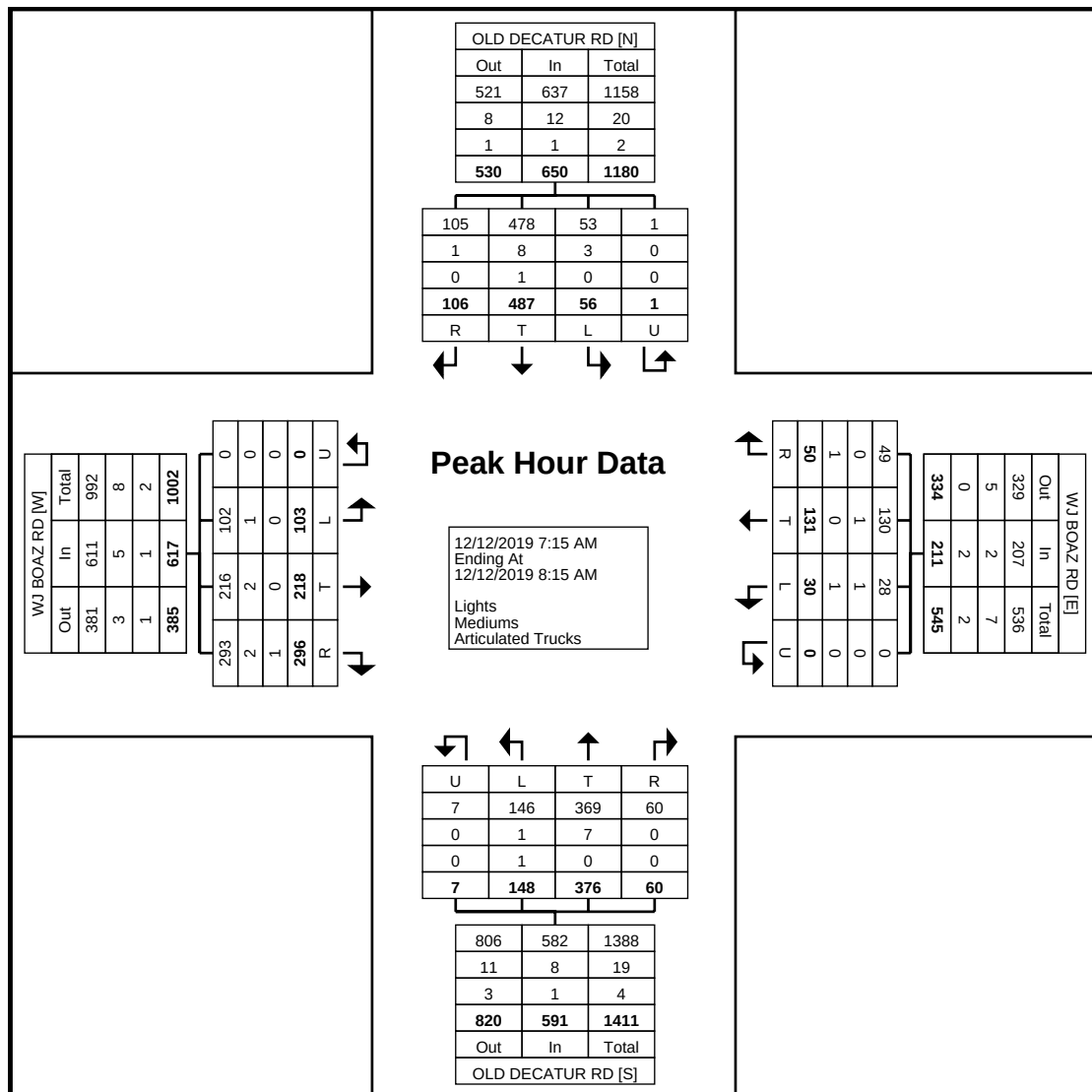
Start Time	OLD DECATUR RD Southbound					WJ BOAZ RD Westbound					OLD DECATUR RD Northbound					WJ BOAZ RD Eastbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
7:15 AM	27	138	24	0	189	8	34	17	0	59	35	72	12	5	124	17	53	93	0	163	535
7:30 AM	16	128	34	1	179	7	27	11	0	45	44	122	19	1	186	33	57	88	0	178	588
7:45 AM	4	124	23	0	151	11	38	9	0	58	34	94	24	1	153	27	47	74	0	148	510
8:00 AM	9	97	25	0	131	4	32	13	0	49	35	88	5	0	128	26	61	41	0	128	436
Total	56	487	106	1	650	30	131	50	0	211	148	376	60	7	591	103	218	296	0	617	2069
Approach %	8.6	74.9	16.3	0.2	-	14.2	62.1	23.7	0.0	-	25.0	63.6	10.2	1.2	-	16.7	35.3	48.0	0.0	-	-
Total %	2.7	23.5	5.1	0.0	31.4	1.4	6.3	2.4	0.0	10.2	7.2	18.2	2.9	0.3	28.6	5.0	10.5	14.3	0.0	29.8	-
PHF	0.519	0.882	0.779	0.250	0.860	0.682	0.862	0.735	0.000	0.894	0.841	0.770	0.625	0.350	0.794	0.780	0.893	0.796	0.000	0.867	0.880
Lights	53	478	105	1	637	28	130	49	0	207	146	369	60	7	582	102	216	293	0	611	2037
% Lights	94.6	98.2	99.1	100.0	98.0	93.3	99.2	98.0	-	98.1	98.6	98.1	100.0	100.0	98.5	99.0	99.1	99.0	-	99.0	98.5
Mediums	3	8	1	0	12	1	1	0	0	2	1	7	0	0	8	1	2	2	0	5	27
% Mediums	5.4	1.6	0.9	0.0	1.8	3.3	0.8	0.0	-	0.9	0.7	1.9	0.0	0.0	1.4	1.0	0.9	0.7	-	0.8	1.3
Articulated Trucks	0	1	0	0	1	1	0	1	0	2	1	0	0	0	1	0	0	1	0	1	5
% Articulated Trucks	0.0	0.2	0.0	0.0	0.2	3.3	0.0	2.0	-	0.9	0.7	0.0	0.0	0.0	0.2	0.0	0.0	0.3	-	0.2	0.2

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

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Count Name: OLD DECATUR
RD @ WJ BOAZ RD
Site Code:
Start Date: 12/12/2019
Page No: 4



Turning Movement Peak Hour Data Plot (7:15 AM)

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: OLD DECATUR
RD @ WJ BOAZ RD
Site Code:
Start Date: 12/12/2019
Page No: 5

Turning Movement Peak Hour Data (4:45 PM)

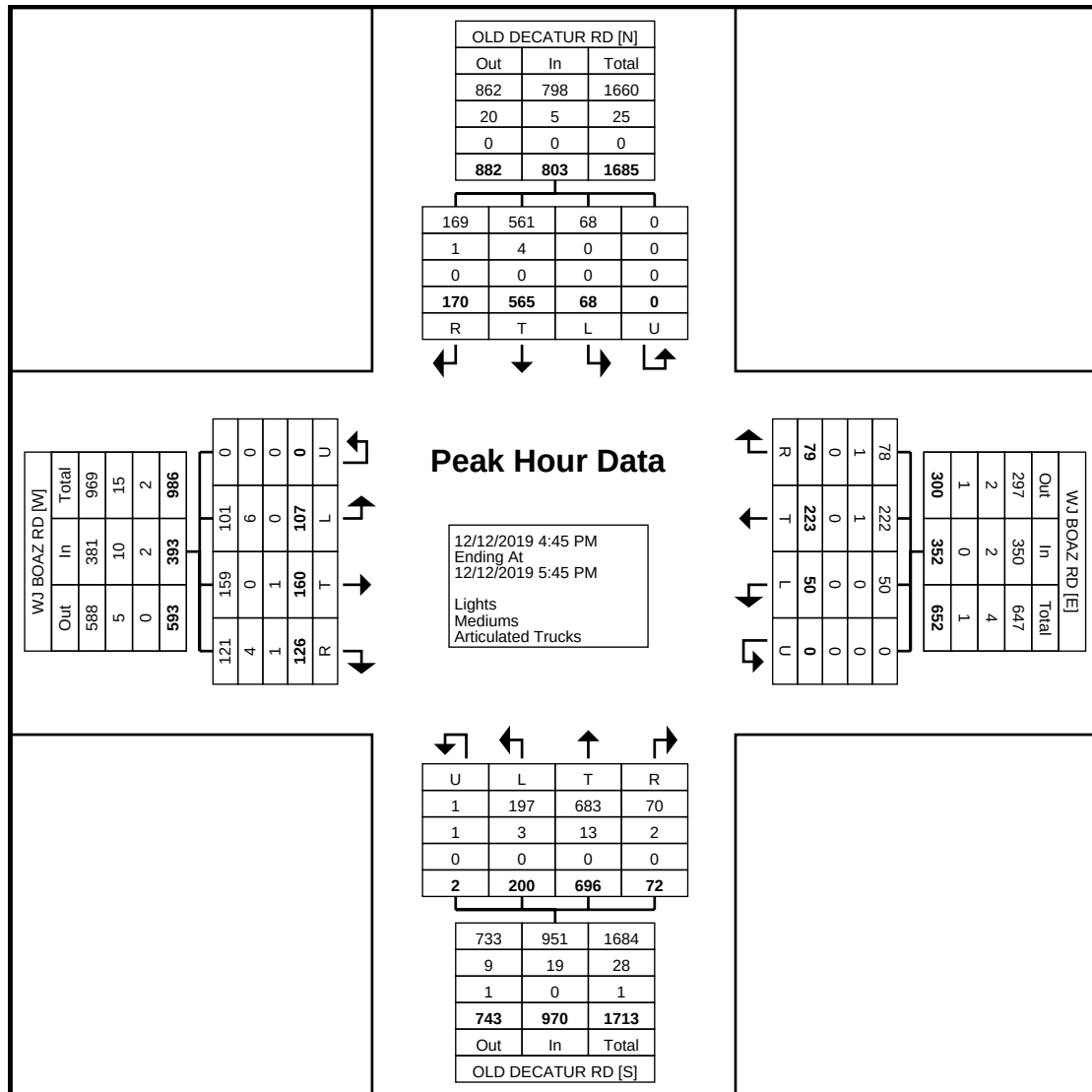
Start Time	OLD DECATUR RD Southbound					WJ BOAZ RD Westbound					OLD DECATUR RD Northbound					WJ BOAZ RD Eastbound					Int. Total
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	
4:45 PM	16	140	48	0	204	11	44	21	0	76	36	186	21	1	244	33	42	29	0	104	628
5:00 PM	13	134	36	0	183	18	57	20	0	95	46	152	14	1	213	25	37	25	0	87	578
5:15 PM	22	140	41	0	203	15	52	17	0	84	60	180	21	0	261	28	40	42	0	110	658
5:30 PM	17	151	45	0	213	6	70	21	0	97	58	178	16	0	252	21	41	30	0	92	654
Total	68	565	170	0	803	50	223	79	0	352	200	696	72	2	970	107	160	126	0	393	2518
Approach %	8.5	70.4	21.2	0.0	-	14.2	63.4	22.4	0.0	-	20.6	71.8	7.4	0.2	-	27.2	40.7	32.1	0.0	-	-
Total %	2.7	22.4	6.8	0.0	31.9	2.0	8.9	3.1	0.0	14.0	7.9	27.6	2.9	0.1	38.5	4.2	6.4	5.0	0.0	15.6	-
PHF	0.773	0.935	0.885	0.000	0.942	0.694	0.796	0.940	0.000	0.907	0.833	0.935	0.857	0.500	0.929	0.811	0.952	0.750	0.000	0.893	0.957
Lights	68	561	169	0	798	50	222	78	0	350	197	683	70	1	951	101	159	121	0	381	2480
% Lights	100.0	99.3	99.4	-	99.4	100.0	99.6	98.7	-	99.4	98.5	98.1	97.2	50.0	98.0	94.4	99.4	96.0	-	96.9	98.5
Mediums	0	4	1	0	5	0	1	1	0	2	3	13	2	1	19	6	0	4	0	10	36
% Mediums	0.0	0.7	0.6	-	0.6	0.0	0.4	1.3	-	0.6	1.5	1.9	2.8	50.0	2.0	5.6	0.0	3.2	-	2.5	1.4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
% Articulated Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.8	-	0.5	0.1

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: OLD DECATUR
RD @ WJ BOAZ RD
Site Code:
Start Date: 12/12/2019
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Turning Movement Peak Hour Data Plot (4:45 PM)

TRIP GENERATION

Day Care Center (565)

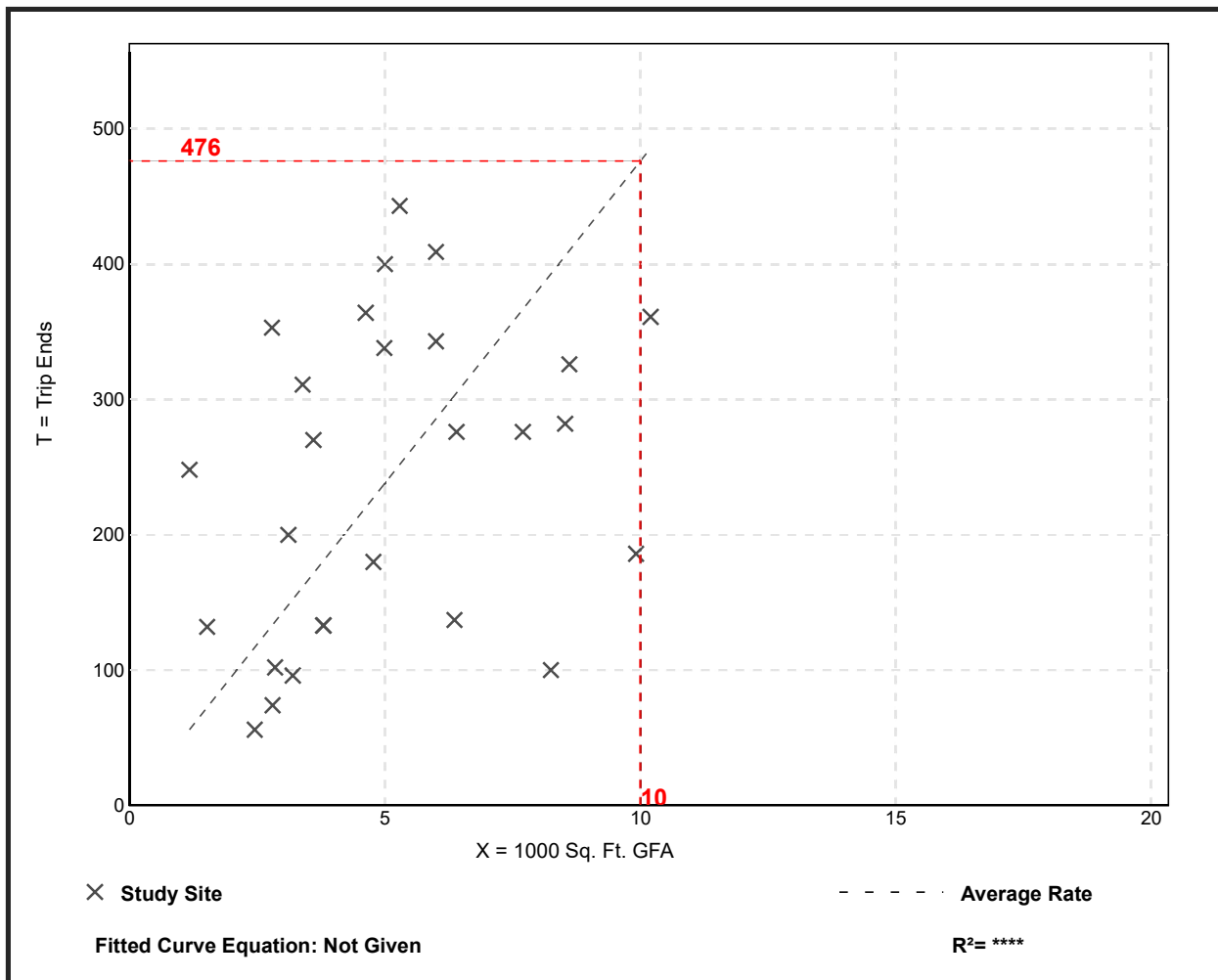
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 27
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
47.62	12.12 - 211.06	29.78

Data Plot and Equation



Trip Generation Manual, 10th Edition • Institute of Transportation Engineers

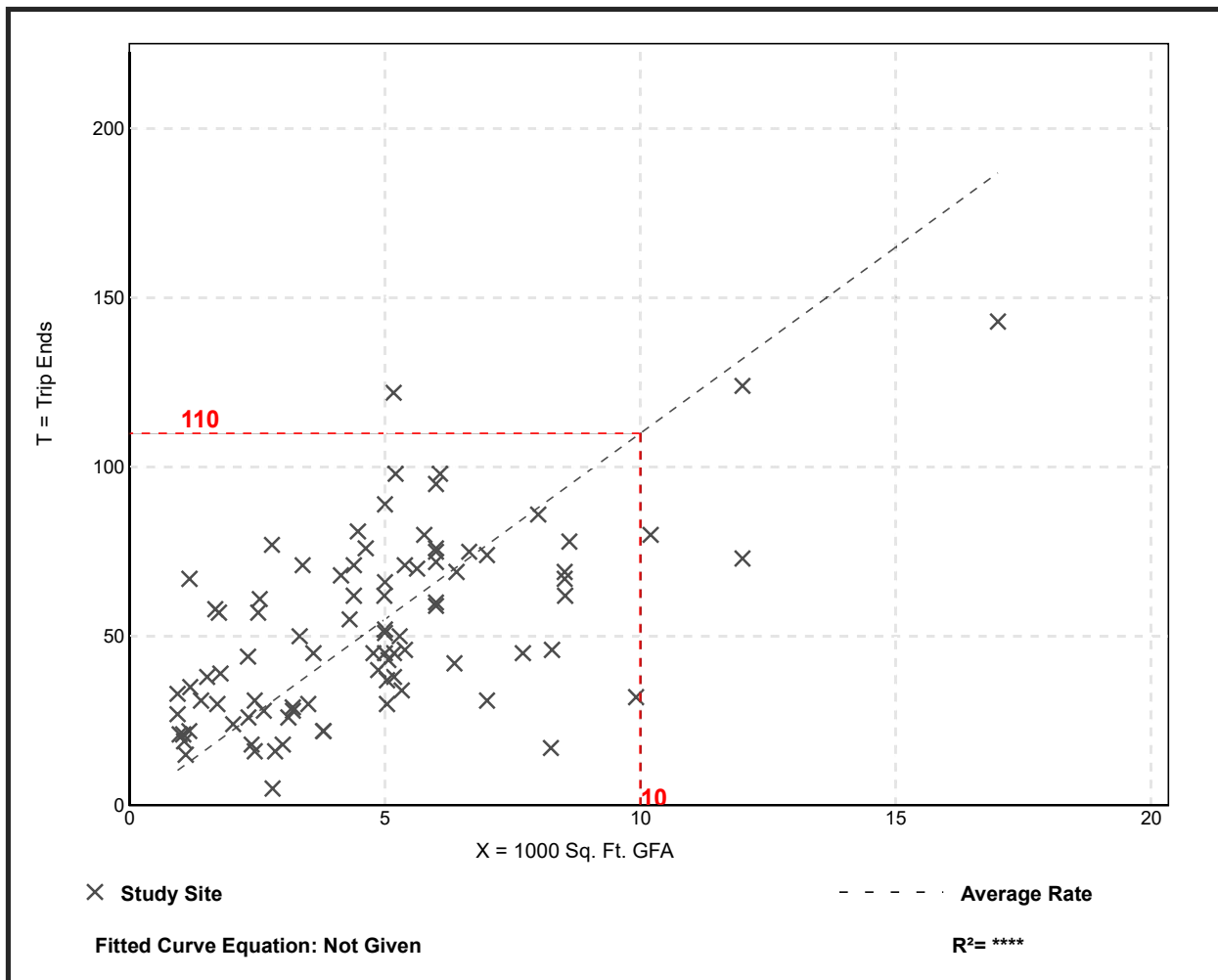
Day Care Center (565)

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: 89
 Avg. 1000 Sq. Ft. GFA: 5
 Directional Distribution: 53% entering, 47% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
11.00	1.79 - 57.02	6.08

Data Plot and Equation



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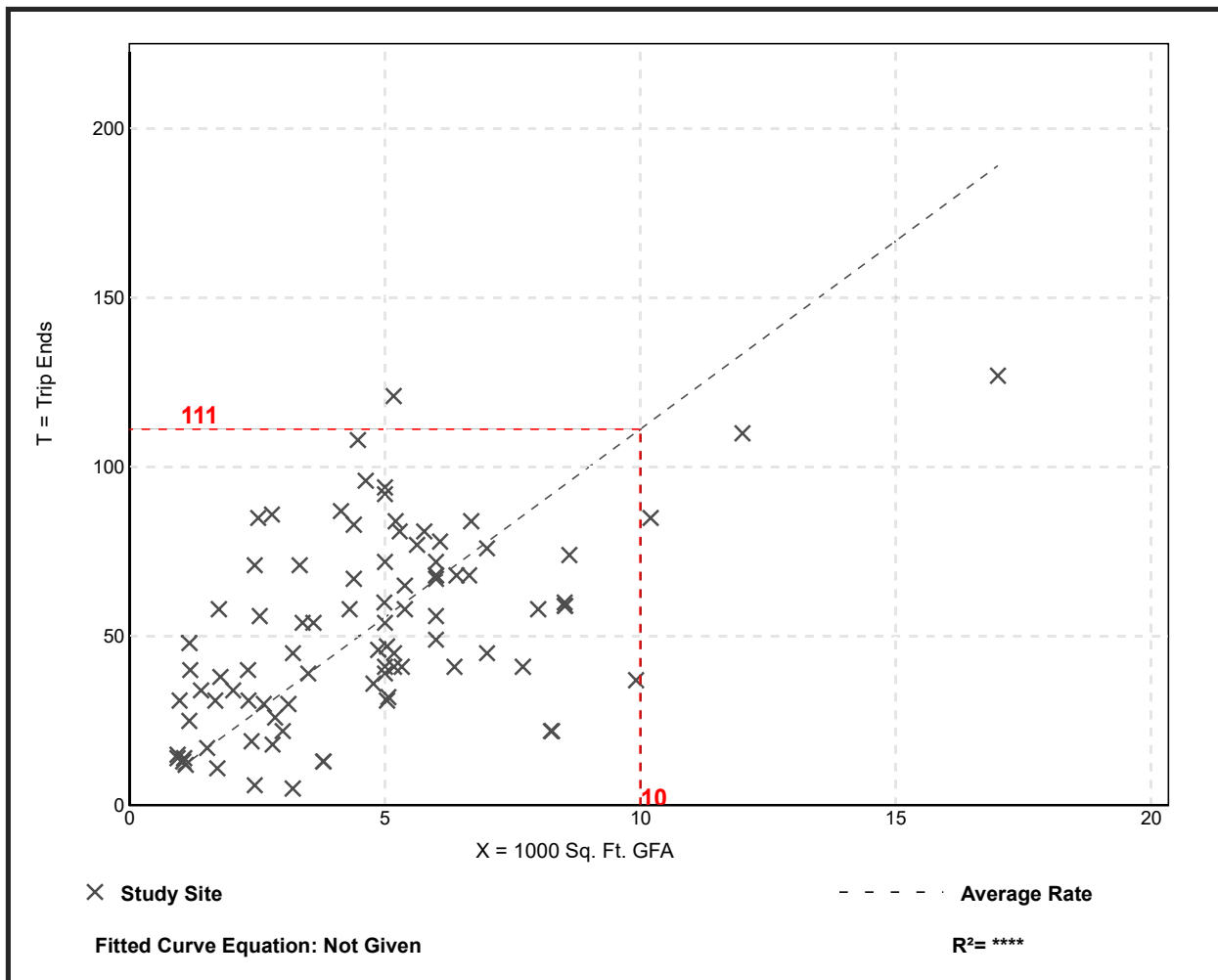
Day Care Center (565)

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: 90
 Avg. 1000 Sq. Ft. GFA: 5
 Directional Distribution: 47% entering, 53% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
11.12	1.56 - 40.85	6.28

Data Plot and Equation



Trip Generation Manual, 10th Edition • Institute of Transportation Engineers

CAPACITY ANALYSIS

Existing Conditions

Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Existing AM Peak Hour

12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	103	218	296	30	131	50	148	376	60	56	487	106
Future Volume (vph)	103	218	296	30	131	50	148	376	60	56	487	106
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	0		0	190		0	200		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	100			100			100			100		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.914			0.968			0.979			0.973	
Flt Protected	0.950				0.993		0.950			0.950		
Satd. Flow (prot)	1787	1719	0	0	1802	0	1787	3474	0	1719	3450	0
Flt Permitted	0.575				0.617		0.211			0.471		
Satd. Flow (perm)	1082	1719	0	0	1120	0	397	3474	0	852	3450	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		96			22			21			29	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		719			264			701			313	
Travel Time (s)		16.3			6.0			15.9			7.1	
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles (%)	1%	1%	1%	0%	1%	3%	1%	2%	0%	5%	2%	1%
Adj. Flow (vph)	117	248	336	34	149	57	168	427	68	64	553	120
Shared Lane Traffic (%)												
Lane Group Flow (vph)	117	584	0	0	240	0	168	495	0	64	673	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA		Perm	NA		pm+pt	NA		pm+pt	NA	
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	20.0	20.0		20.0	20.0		10.0	20.0		10.0	20.0	
Total Split (s)	44.0	44.0		44.0	44.0		15.0	36.0		10.0	31.0	
Total Split (%)	48.9%	48.9%		48.9%	48.9%		16.7%	40.0%		11.1%	34.4%	
Maximum Green (s)	39.0	39.0		39.0	39.0		10.0	31.0		5.0	26.0	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.5	1.5		1.5	1.5		1.5	1.5		1.5	1.5	
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.0	5.0			5.0		5.0	5.0		5.0	5.0	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		None	Min		None	Min	

Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Existing AM Peak Hour
12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Act Effect Green (s)	27.5	27.5			27.5		34.6	29.4		25.0	19.7	
Actuated g/C Ratio	0.38	0.38			0.38		0.48	0.40		0.34	0.27	
v/c Ratio	0.29	0.82			0.55		0.45	0.35		0.18	0.70	
Control Delay	18.4	27.9			21.7		17.0	18.0		14.5	28.3	
Queue Delay	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Delay	18.4	27.9			21.7		17.0	18.0		14.5	28.3	
LOS	B	C			C		B	B		B	C	
Approach Delay		26.3			21.7			17.8			27.1	
Approach LOS		C			C			B			C	
Queue Length 50th (ft)	36	199			76		43	86		15	140	
Queue Length 95th (ft)	78	342			150		94	146		42	222	
Internal Link Dist (ft)		639			184			621			233	
Turn Bay Length (ft)	100						190			200		
Base Capacity (vph)	613	1016			644		391	1579		356	1322	
Starvation Cap Reductn	0	0			0		0	0		0	0	
Spillback Cap Reductn	0	0			0		0	0		0	0	
Storage Cap Reductn	0	0			0		0	0		0	0	
Reduced v/c Ratio	0.19	0.57			0.37		0.43	0.31		0.18	0.51	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 72.6

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.82

Intersection Signal Delay: 23.7

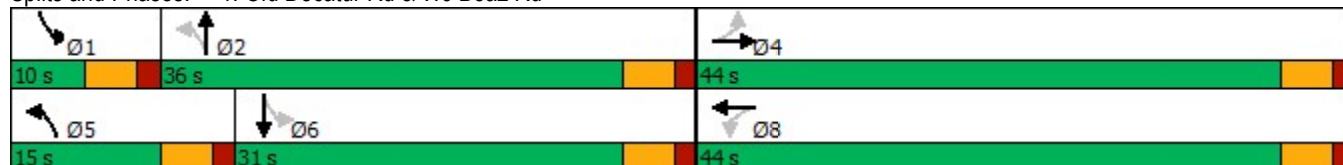
Intersection LOS: C

Intersection Capacity Utilization 73.8%

ICU Level of Service D

Analysis Period (min) 15

Splits and Phases: 1: Old Decatur Rd & WJ Boaz Rd



Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Existing PM Peak Hour
12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	107	160	126	50	223	79	202	696	72	68	565	170
Future Volume (vph)	107	160	126	50	223	79	202	696	72	68	565	170
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	0		0	190		0	200		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	100			100			100			100		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.934			0.970			0.986			0.965	
Flt Protected	0.950				0.993		0.950			0.950		
Satd. Flow (prot)	1703	1752	0	0	1815	0	1770	3486	0	1805	3449	0
Flt Permitted	0.402				0.856		0.187			0.349		
Satd. Flow (perm)	721	1752	0	0	1564	0	348	3486	0	663	3449	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		48			18			15			46	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		719			264			701			313	
Travel Time (s)		16.3			6.0			15.9			7.1	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	6%	0%	3%	0%	1%	1%	2%	2%	3%	0%	1%	1%
Adj. Flow (vph)	111	167	131	52	232	82	210	725	75	71	589	177
Shared Lane Traffic (%)												
Lane Group Flow (vph)	111	298	0	0	366	0	210	800	0	71	766	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA		Perm	NA		pm+pt	NA		pm+pt	NA	
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	20.0	20.0		20.0	20.0		10.0	20.0		10.0	20.0	
Total Split (s)	36.0	36.0		36.0	36.0		20.0	44.0		10.0	34.0	
Total Split (%)	40.0%	40.0%		40.0%	40.0%		22.2%	48.9%		11.1%	37.8%	
Maximum Green (s)	31.0	31.0		31.0	31.0		15.0	39.0		5.0	29.0	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.5	1.5		1.5	1.5		1.5	1.5		1.5	1.5	
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.0	5.0			5.0		5.0	5.0		5.0	5.0	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		None	Min		None	Min	

Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Existing PM Peak Hour
12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Act Effect Green (s)	20.1	20.1			20.1		37.5	30.1		26.4	21.2	
Actuated g/C Ratio	0.29	0.29			0.29		0.55	0.44		0.39	0.31	
v/c Ratio	0.52	0.54			0.78		0.49	0.52		0.21	0.70	
Control Delay	31.9	21.7			34.2		13.0	16.6		11.1	24.2	
Queue Delay	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Delay	31.9	21.7			34.2		13.0	16.6		11.1	24.2	
LOS	C	C			C		B	B		B	C	
Approach Delay		24.5			34.2			15.8			23.1	
Approach LOS		C			C			B			C	
Queue Length 50th (ft)	37	84			129		40	125		12	133	
Queue Length 95th (ft)	101	184			267		97	222		38	248	
Internal Link Dist (ft)		639			184			621			233	
Turn Bay Length (ft)	100						190			200		
Base Capacity (vph)	344	862			757		521	2103		344	1568	
Starvation Cap Reductn	0	0			0		0	0		0	0	
Spillback Cap Reductn	0	0			0		0	0		0	0	
Storage Cap Reductn	0	0			0		0	0		0	0	
Reduced v/c Ratio	0.32	0.35			0.48		0.40	0.38		0.21	0.49	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 68.3

Natural Cycle: 55

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.78

Intersection Signal Delay: 22.1

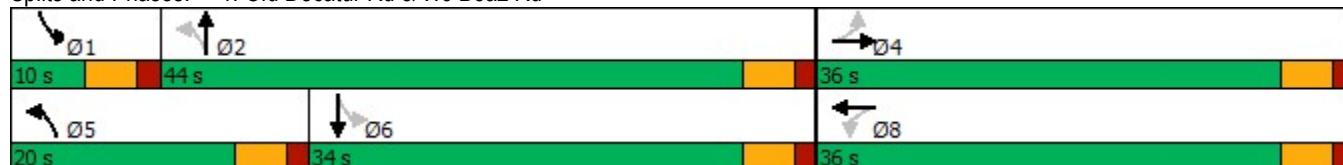
Intersection LOS: C

Intersection Capacity Utilization 84.3%

ICU Level of Service E

Analysis Period (min) 15

Splits and Phases: 1: Old Decatur Rd & WJ Boaz Rd



Full Build 2021 Conditions

Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Full Build 2021 AM Peak Hour

12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	113	233	308	49	147	52	154	405	68	78	507	110
Future Volume (vph)	113	233	308	49	147	52	154	405	68	78	507	110
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	0		0	190		0	200		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	100			100			100			100		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.915			0.972			0.978			0.973	
Flt Protected	0.950				0.990		0.950			0.950		
Satd. Flow (prot)	1787	1721	0	0	1806	0	1787	3471	0	1719	3450	0
Flt Permitted	0.543				0.476		0.189			0.452		
Satd. Flow (perm)	1021	1721	0	0	868	0	356	3471	0	818	3450	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		93			19			23			29	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		719			264			701			313	
Travel Time (s)		16.3			6.0			15.9			7.1	
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles (%)	1%	1%	1%	0%	1%	3%	1%	2%	0%	5%	2%	1%
Adj. Flow (vph)	128	265	350	56	167	59	175	460	77	89	576	125
Shared Lane Traffic (%)												
Lane Group Flow (vph)	128	615	0	0	282	0	175	537	0	89	701	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA		Perm	NA		pm+pt	NA		pm+pt	NA	
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	20.0	20.0		20.0	20.0		10.0	20.0		10.0	20.0	
Total Split (s)	44.0	44.0		44.0	44.0		15.0	36.0		10.0	31.0	
Total Split (%)	48.9%	48.9%		48.9%	48.9%		16.7%	40.0%		11.1%	34.4%	
Maximum Green (s)	39.0	39.0		39.0	39.0		10.0	31.0		5.0	26.0	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.5	1.5		1.5	1.5		1.5	1.5		1.5	1.5	
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.0	5.0			5.0		5.0	5.0		5.0	5.0	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		None	Min		None	Min	

Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Full Build 2021 AM Peak Hour
12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Act Effect Green (s)	29.4	29.4			29.4		35.4	28.0		26.0	20.8	
Actuated g/C Ratio	0.39	0.39			0.39		0.47	0.37		0.34	0.28	
v/c Ratio	0.32	0.85			0.81		0.50	0.41		0.26	0.72	
Control Delay	19.1	30.1			39.0		18.7	20.2		15.9	29.5	
Queue Delay	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Delay	19.1	30.1			39.0		18.7	20.2		15.9	29.5	
LOS	B	C			D		B	C		B	C	
Approach Delay		28.2			39.0			19.8			27.9	
Approach LOS		C			D			B			C	
Queue Length 50th (ft)	42	227			111		49	101		23	156	
Queue Length 95th (ft)	86	374			#243		97	158		55	233	
Internal Link Dist (ft)		639			184			621			233	
Turn Bay Length (ft)	100						190			200		
Base Capacity (vph)	552	974			478		366	1506		344	1263	
Starvation Cap Reductn	0	0			0		0	0		0	0	
Spillback Cap Reductn	0	0			0		0	0		0	0	
Storage Cap Reductn	0	0			0		0	0		0	0	
Reduced v/c Ratio	0.23	0.63			0.59		0.48	0.36		0.26	0.56	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 75.4

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.85

Intersection Signal Delay: 27.0

Intersection LOS: C

Intersection Capacity Utilization 87.5%

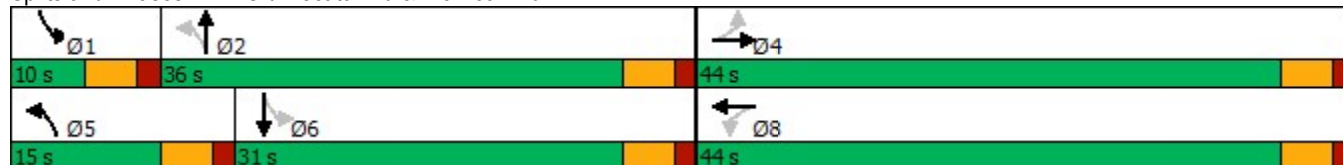
ICU Level of Service E

Analysis Period (min) 15

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 1: Old Decatur Rd & WJ Boaz Rd



Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Full Build 2021 PM Peak Hour

12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	117	171	131	73	243	82	210	736	81	89	588	177
Future Volume (vph)	117	171	131	73	243	82	210	736	81	89	588	177
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	0		0	190		0	200		0
Storage Lanes	1		0	0		0	1		0	1		0
Taper Length (ft)	100			100			100			100		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt		0.935			0.972			0.985			0.965	
Flt Protected	0.950				0.991		0.950			0.950		
Satd. Flow (prot)	1703	1754	0	0	1815	0	1770	3483	0	1805	3449	0
Flt Permitted	0.400				0.779		0.161			0.309		
Satd. Flow (perm)	717	1754	0	0	1427	0	300	3483	0	587	3449	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		47			16			16			46	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		719			264			701			313	
Travel Time (s)		16.3			6.0			15.9			7.1	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	6%	0%	3%	0%	1%	1%	2%	2%	3%	0%	1%	1%
Adj. Flow (vph)	122	178	136	76	253	85	219	767	84	93	613	184
Shared Lane Traffic (%)												
Lane Group Flow (vph)	122	314	0	0	414	0	219	851	0	93	797	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA		Perm	NA		pm+pt	NA		pm+pt	NA	
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	20.0	20.0		20.0	20.0		10.0	20.0		10.0	20.0	
Total Split (s)	36.0	36.0		36.0	36.0		20.0	44.0		10.0	34.0	
Total Split (%)	40.0%	40.0%		40.0%	40.0%		22.2%	48.9%		11.1%	37.8%	
Maximum Green (s)	31.0	31.0		31.0	31.0		15.0	39.0		5.0	29.0	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.5	1.5		1.5	1.5		1.5	1.5		1.5	1.5	
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.0	5.0			5.0		5.0	5.0		5.0	5.0	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		None	Min		None	Min	

Lanes, Volumes, Timings
1: Old Decatur Rd & WJ Boaz Rd

Full Build 2021 PM Peak Hour
12/26/2019

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Act Effect Green (s)	26.0	26.0			26.0		40.4	32.9		28.5	23.3	
Actuated g/C Ratio	0.34	0.34			0.34		0.53	0.43		0.37	0.30	
v/c Ratio	0.50	0.50			0.84		0.57	0.57		0.31	0.74	
Control Delay	30.7	21.2			40.7		17.5	19.3		14.0	27.9	
Queue Delay	0.0	0.0			0.0		0.0	0.0		0.0	0.0	
Total Delay	30.7	21.2			40.7		17.5	19.3		14.0	27.9	
LOS	C	C			D		B	B		B	C	
Approach Delay		23.9			40.7			18.9			26.5	
Approach LOS		C			D			B			C	
Queue Length 50th (ft)	48	103			181		59	176		23	181	
Queue Length 95th (ft)	112	196			#368		111	240		47	261	
Internal Link Dist (ft)		639			184			621			233	
Turn Bay Length (ft)	100						190			200		
Base Capacity (vph)	300	761			606		455	1841		300	1378	
Starvation Cap Reductn	0	0			0		0	0		0	0	
Spillback Cap Reductn	0	0			0		0	0		0	0	
Storage Cap Reductn	0	0			0		0	0		0	0	
Reduced v/c Ratio	0.41	0.41			0.68		0.48	0.46		0.31	0.58	

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 76.8

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.84

Intersection Signal Delay: 25.3

Intersection LOS: C

Intersection Capacity Utilization 89.0%

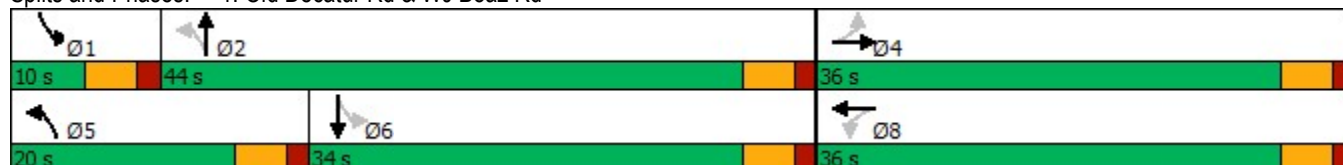
ICU Level of Service E

Analysis Period (min) 15

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 1: Old Decatur Rd & WJ Boaz Rd



Intersection						
Int Delay, s/veh	0.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	32	360	248	6	5	29
Future Vol, veh/h	32	360	248	6	5	29
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	100	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	35	391	270	7	5	32

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	277	0	0	735	274
Stage 1	-	-	-	274	-
Stage 2	-	-	-	461	-
Critical Hdwy	4.1	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	3.5	3.3
Pot Cap-1 Maneuver	1298	-	-	390	770
Stage 1	-	-	-	777	-
Stage 2	-	-	-	639	-
Platoon blocked, %	-	-	-		
Mov Cap-1 Maneuver	1298	-	-	379	770
Mov Cap-2 Maneuver	-	-	-	379	-
Stage 1	-	-	-	756	-
Stage 2	-	-	-	639	-

Approach	EB	WB	SB
HCM Control Delay, s	0.6	0	10.7
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1298	-	-	-	669
HCM Lane V/C Ratio	0.027	-	-	-	0.055
HCM Control Delay (s)	7.9	-	-	-	10.7
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.2

Intersection						
Int Delay, s/veh	0.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	29	312	398	5	6	32
Future Vol, veh/h	29	312	398	5	6	32
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	100	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	32	339	433	5	7	35

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	438	0	0	839	436
Stage 1	-	-	-	436	-
Stage 2	-	-	-	403	-
Critical Hdwy	4.1	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	3.5	3.3
Pot Cap-1 Maneuver	1133	-	-	339	625
Stage 1	-	-	-	656	-
Stage 2	-	-	-	679	-
Platoon blocked, %	-	-	-		
Mov Cap-1 Maneuver	1133	-	-	330	625
Mov Cap-2 Maneuver	-	-	-	330	-
Stage 1	-	-	-	638	-
Stage 2	-	-	-	679	-

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	12.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1133	-	-	-	548
HCM Lane V/C Ratio	0.028	-	-	-	0.075
HCM Control Delay (s)	8.3	-	-	-	12.1
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.2

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	18	550	20	0	695
Future Vol, veh/h	0	18	550	20	0	695
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	20	598	22	0	755

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	-	310	0
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	6.9	-
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	3.3	-
Pot Cap-1 Maneuver	0	692	-
Stage 1	0	-	-
Stage 2	0	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	692	-
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.4	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBT
Capacity (veh/h)	-	- 692	-
HCM Lane V/C Ratio	-	- 0.028	-
HCM Control Delay (s)	-	- 10.4	-
HCM Lane LOS	-	- B	-
HCM 95th %tile Q(veh)	-	- 0.1	-

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	21	917	18	0	854
Future Vol, veh/h	0	21	917	18	0	854
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	23	997	20	0	928

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	-	509	0
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	6.9	-
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	3.3	-
Pot Cap-1 Maneuver	0	515	-
Stage 1	0	-	-
Stage 2	0	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	515	-
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.3	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBT
Capacity (veh/h)	-	515	-
HCM Lane V/C Ratio	-	0.044	-
HCM Control Delay (s)	-	12.3	-
HCM Lane LOS	-	B	-
HCM 95th %tile Q(veh)	-	0.1	-

TURN LANE ANALYSIS

Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-control

INPUT

Roadway geometry:	2-lane roadway ▼
Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	254
Right-turn volume, veh/h:	6

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	14422
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

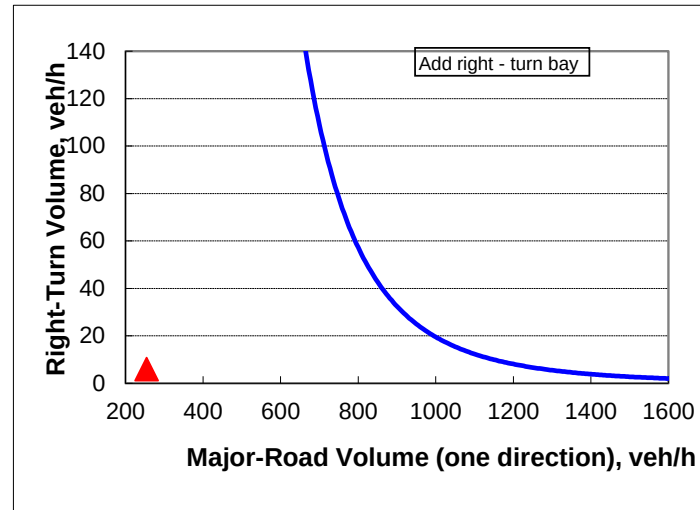


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-control

INPUT

Roadway geometry:	2-lane roadway ▼
Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	403
Right-turn volume, veh/h:	5

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	1559
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

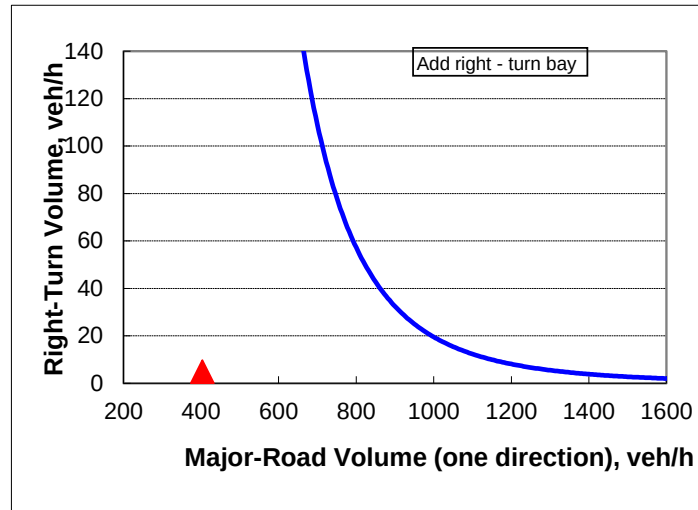


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-control

INPUT

Roadway geometry:	4-lane roadway
Variable	Value
Major-road speed, mph:	40
Major-road volume (one direction), veh/h:	570
Right-turn volume, veh/h:	20

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	153
Guidance for determining the need for a major-road right-turn bay for a 4-lane roadway:	
Do NOT add right-turn bay.	

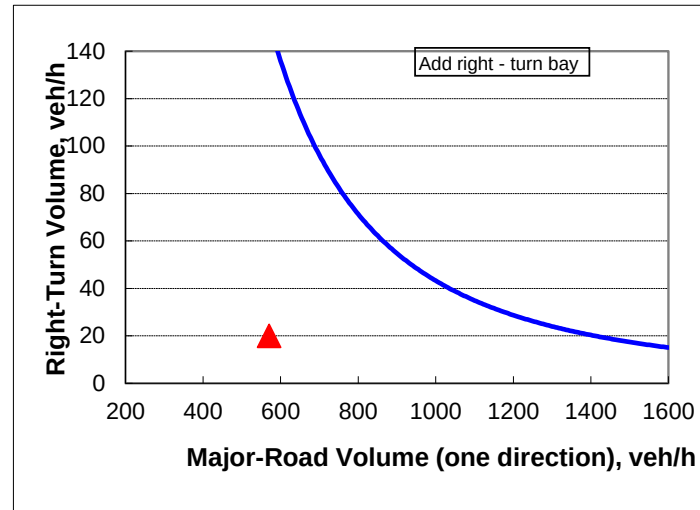


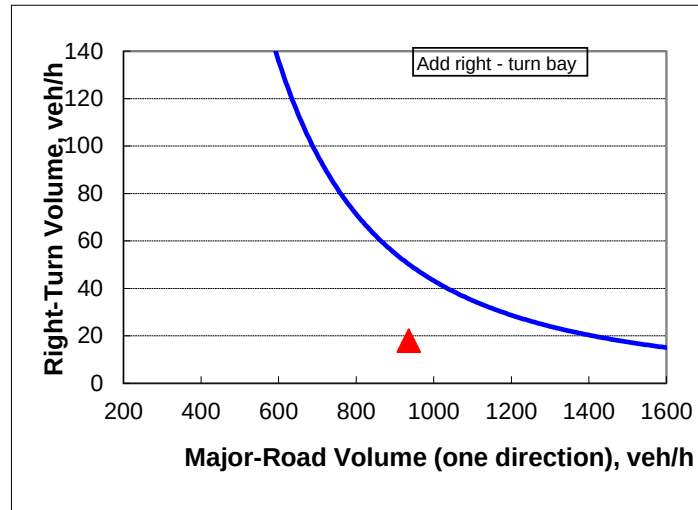
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-control

INPUT

Roadway geometry:	4-lane roadway ▼
Variable	Value
Major-road speed, mph:	40
Major-road volume (one direction), veh/h:	935
Right-turn volume, veh/h:	18

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	50
Guidance for determining the need for a major-road right-turn bay for a 4-lane roadway:	
Do NOT add right-turn bay.	





City of Saginaw

Meeting Date: 2/18/2020

Staff Contact: Rick Trice, P.E.
Director of Public Works

Agenda Items: (13)

E-mail: rtrice@saginawtx.org

Phone: 817-230-0449

SUBJECT:

Mid Term Capital Improvement Project Planning

BACKGROUND/DISCUSSION:

Mid Term Capital Improvement Project Planning will be discussed.

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

N/A

ATTACHMENTS:

Description

Workshop Presentation 2-18-20



City of Saginaw

Mid-Term Capital Improvement Project Planning

**Rick Trice, P.E.
Director of Public Works**

February 19, 2020

Purpose

- **Provide an overview of potential capital projects.**
- **Have a discussion of feasibility/next steps**
- **Give staff feedback and direction moving forward**



Advance Design Central Fire Station & Knowles



**Professional Services
(Fee) - \$1.2 M**





Willow Creek Ponds

Old Decatur/WJ Boaz Intersection



N. Old Decatur Reconstruction

- Final frontage under active development
- Total estimate \$1.6 M +/-
- Approximately \$1.2 M in Escrow
- \$400K +/- funding gap



Citywide RR Quiet Zones



- **Jarvis, Minton, McLeroy
@ Bus 287, E. McLeroy (2)**
- **Update Feasibility Report
\$10,000**
- **Construction/Engineering
\$1.68 M +/-**



Park/playground Improvements



“Safe Pathways” Sidewalks



SAGINAW CDBG - SIDEWALKS AND RAMPS - 2019



City of Saginaw



City of Saginaw

Kimley»Horn

Railroad Approaches Minton and McLeroy



Others?



- ✓ **Provide an overview of potential capital projects.**
- **Have a discussion of feasibility/next steps**
- **Give staff feedback and direction moving forward**

