# PLANNING AND ZONING CASE CHECKLIST City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall, Texas 75087

P&Z CASE # <u>20018 -003</u> P&Z DATE_	CC DATE			
APPROVED/DENIED ARB DATE	HPAB DATE PARK BOARD DATE			
ZONING APPLICATION  SPECIFIC USE PERMIT	☐ COPY OF ORDINANCE (ORD.#) ☐ APPLICATIONS			
☐ ZONING CHANGE ☐ PD CONCEPT PLAN ☐ PD DEVELOPMENT PLAN	☐ RECIEPT ☐ LOCATION MAP			
LI PO DEVELOPIVIENT PLAN	<ul> <li>☐ HOA MAP</li> <li>☐ PON MAP</li> <li>☐ FLU MAP</li> <li>☐ NEWSPAPTER PUBLIC NOTICE</li> <li>☐ 500-FT. BUFFER PUBLIC NOTICE</li> </ul>			
SITE PLAN APPLICATION	☐ PROJECT REVIEW			
☐ SITE PLAN ☐ LANDSCAPE PLAN ☐ TREESCAPE PLAN ☐ PHOTOMETRIC PLAN ☐ BUILDING ELEVATIONS ☐ MATERIAL SAMPLES ☐ COLOR RENDERING	☐ STAFF REPORT ☐ CORRESPONDENCE ☐ COPY-ALL PLANS REQUIRED ☐ COPY-MARK-UPS ☐ CITY COUNCIL MINUTES-LASERFICHE ☐ MINUTES-LASERFICHE ☐ PLAT FILED DATE ☐ CABINET # ☐ SLIDE #			
	NOTES:			
PLATTING APPLICATION				
<ul><li>☐ MASTER PLAT</li><li>☐ PRELIMINARY PLAT</li><li>☐ FINAL PLAT</li><li>☐ REPLAT</li></ul>				
☐ ADMINISTRATIVE/MINOR PLAT☐ VACATION PLAT☐ LANDSCAPE PLAN☐ TREESCAPE PLAN☐	ZONING MAP UPDATED			



#### **DEVELOPMENT APPLICATION**

City of Rockwall Planning and Zoning Department 385 S. Goliad Street Rockwall, Texas 75087

•	STAFF	USE OI	

PLANNING & ZONING CASE NO.

**NOTE:** THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING:

CITY ENGINEER:

Please check the a	opropriate box below to indicate t	the type of deve	lopment request (	Resolution	No. 05-22) [SELE	CT ONLY O	NE BOXJ:
Platting Application [ ] Master Plat (\$ [ ] Preliminary Plat (\$300.1 ] Replat (\$300.1 ] Amending or [ ] Plat Reinstate  Site Plan Application [ ] Site Plan (\$25 [ ] Amended Site	Zoning Application Fees:  [ ] Zoning Change (\$200.00 + \$15.00 Acre) 1  [X] Specific Use Permit (\$200.00 + \$15.00 Acre) 1  [ ] PD Development Plans (\$200.00 + \$15.00 Acre) 1  Other Application Fees:  [ ] Tree Removal (\$75.00)  Notes:  1: In determining the fee, please use the exact acreage when multiplying by the per acre amount. For requests on less than one acre, only the "base fee" is required.						
PROPERTY INFO	DRMATION [PLEASE PRINT]						
Address	1902 & 2000 S. GOLIAD STREET						
Subdivision	BILLY PEOPLES ADDITION NO. 1			Lo	t 1&2	Block	Α
General Location	THE SOUTHWEST CORNER OF V	VEST YELLOW JA	ACKET LANE & SOU	JTH GOLIAI	STREET		
ZONING, SITE P	LAN AND PLATTING INFOR	MATION [PLEAS	SE PRINT)				
Current Zoning	GENERAL RETAIL W/SH 205 OVE	RLAY	Current Use	COMMER	RCIAL		
Proposed Zoning	GENERAL RETAIL W/SH 205 OVE	RLAY	Proposed Use	e COMMERCIAL			
Acreage	0.656 ACRES	Lots [Current]	2		Lots [Proposed]	1	
	lats: By checking the box at the left you Local Government Code.	ou agree to waive	the statutory time	limit for pla	t approval in accord	lance with \$	ection
OWNER/APPLIC	CANT/AGENT INFORMATION	N [PLEASE PRINT/0	CHECK THE PRIMARY (	CONTACT/OR	IGINAL SIGNATURES	ARE REQUIRE	:D)
[ ] Owner	CHICK-FIL-A, INC.				SSOCIATES, INC.		
Contact Person	GETRA THOMASON-SANDERS		Contact Person	RANDY EARDLEY, P.E.			
Address	5200 BUFFINGTON ROAD		Address	2201 E. LAMAR BLVD., SUITE 200E			
City, State & Zip	ALTANTA, GEORGIA 30349		City, State & Zip	ARLINGTON, TEXAS 76006			
Phone	(404) 765-8000						
E-Mail	GETRA.SANDERS@CFACORP.COI	E-Mail					
Before me, the undersi	CATION [REQUIRED] gned authority, on this day personally app lication to be true and certified the follow	cuica	EARDLEY	_ [Owner/A	oplicant Name] the u	undersigned,	who stated th
"I hereby certify that I the application fee of \$	am the owner, or duly authorized agent o , to cover the cost of to						

, 20 18 . By signing this application I agree that the City of Rockwall (i.e. "City") is authorized and permitted to provide information contained within this application to the public. The City is also authorized and permitted to reproduce any copyrighted information submitted in conjunct, associated or in response to a request for public information." Notary Public

Given under my hand and seal of office on this the

Owner's/Applicant's Signature

Notary Public in and for the State of Texas

My Commission Expires

STATE OF TEXAS My Comm. Exp. 08/15/2018

**DEVELOPMENT APPLICATION . CITY OF ROCKWALL** 385 SOUTH GOLIAD STREET • ROCKWALL, TX 75087 • [P] (972) 771-7745 • [F] (972)



### **RECEIPT**

Project Number: Z2018-003 Job Address: 1902 S GOLIAD ROCKWALL, TX 75087

Receipt Number: B77627 Printed: 1/31/2018 8:48 am

Fee Description Account Number Fee Amount

ZONING

01-4280 \$ 200.00

Total Fees Paid: \$ 200.00

Date Paid: 1/18/2018 12:00:00AM Paid By: Wier and Associates Pay Method: CHECK 5865

Received By: LM



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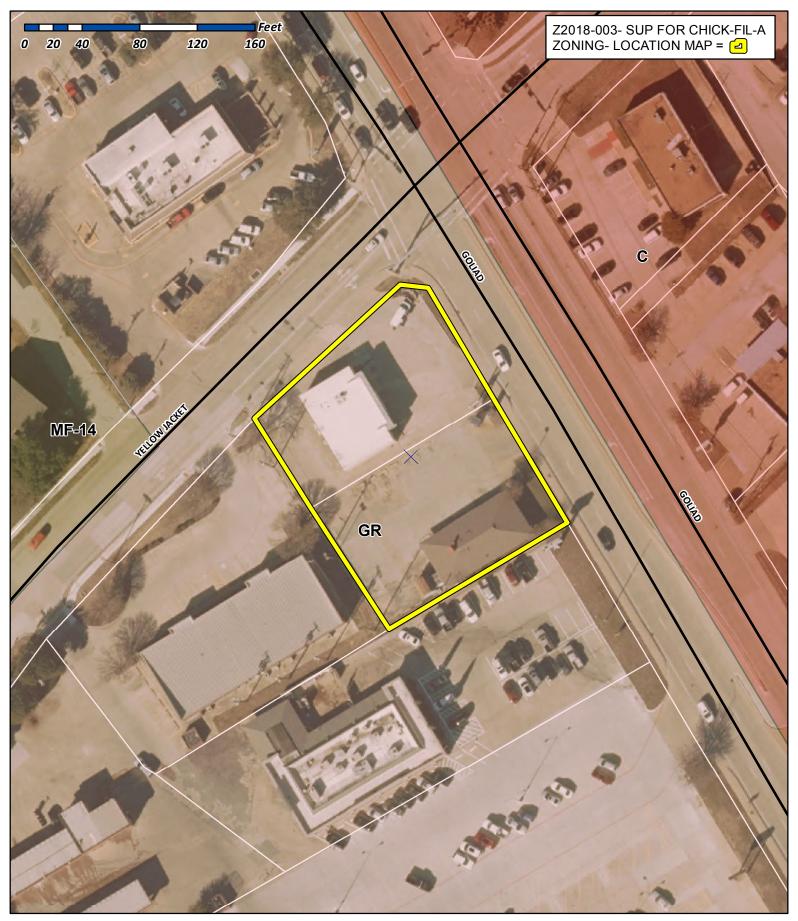
ZONING

01-4280 \$ 200.00

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# City of Rockwall Planning & Zoning Department 385 S. Goliad Street

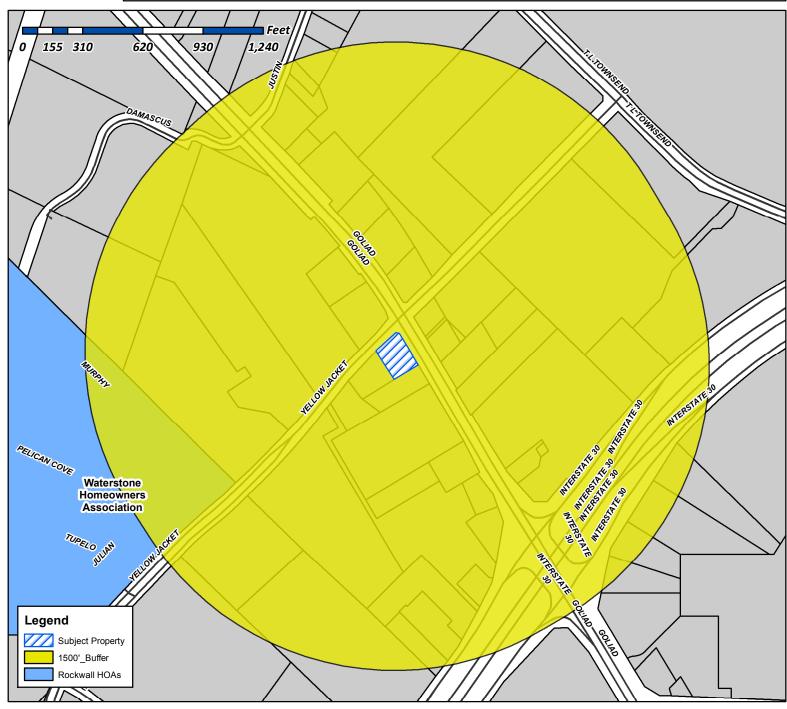
Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75032 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Case Number: Z2018-003

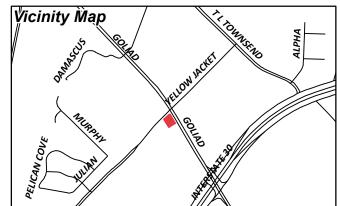
Case Name: SUP for Chick-Fil-A

Case Type: Zoning

Zoning: General Retail (GR) District Case Address: 1902 & 2000 S. Goliad Street

Date Created: 01/18/2018

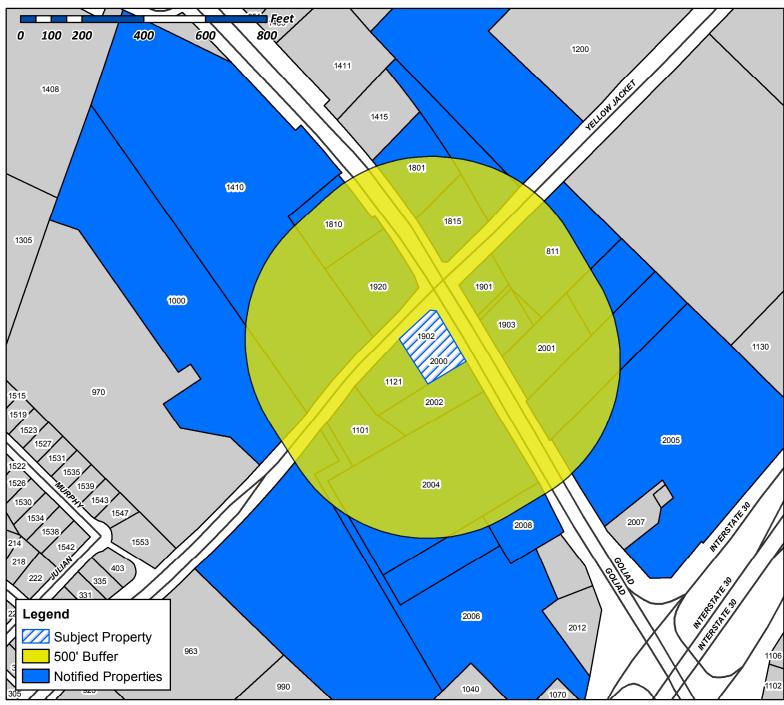
For Questions on this Case Call (972) 771-7745





Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





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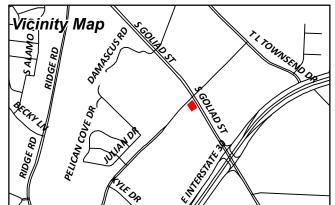
Case Type: Zoning

Zoning: General Retail (GR) District

Case Address: 1902 & 2000 South Goliad Street

Date Created: 01/18/2018

For Questions on this Case Call (972) 771-7745



1000 YELLOW JACKET LN ROCKWALL, TX 75087	CURRENT RESIDENT 1101 YELLOW JACKET LN ROCKWALL, TX 75087	CURRENT RESIDENT 1121 YELLOW JACKET LN ROCKWALL, TX 75087
FIRST UNITED METHODIST CHURCH FINANCE OFFICE 1200 E YELLOW JACKET LN ROCKWALL, TX 75087	B5HP ROCKWALL LLC 1300 E HWY 199 SPRINGTOWN, TX 76082	WDC PEBBLEBROOK APARTMENTS LLC 13400 BISHOP'S LANE SUITE 270 BROOKFIELD, WI 53005
CURRENT RESIDENT	SMAJLI ISMET & DYLDYL	PRITCHARD DONNA CULLINS
1410 S GOLIAD	1422 MURPHY DR	1610 SHORES BLVD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
ROCKWALL CENTRAL S/C II LTD	CURRENT RESIDENT	LONE STAR CHICKEN LP
16475 DALLAS PARKWAY SUITE 800	1801 S GOLIAD	1810 S GOLIAD ST
ADDISON, TX 75001	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
1815 S GOLIAD	1901 S GOLIAD	1902 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 1920 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT 2000 S GOLIAD ROCKWALL, TX 75087	ROCKWALL VET CLINIC C/O JOE LOFTIS 2001 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 2002 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
2004 S GOLIAD	2005 S GOLIAD	2006 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	LANDLOW LLC	COOPER RESIDENTIAL LLC
2008 S GOLIAD	2070 PONTCHARTRAIN	2560 TECHNOLOGY DRIVE SUITE 100
ROCKWALL, TX 75087	ROCKWALL, TX 75087	PLANO, TX 75074
RETAIL BUILDERS INC 3000 NE 63RD ST	RACETRAC PETROLEUM INC 3225 CUMBERLAND BLVD SE STE 100	ROCK HOB LP 3305 BUCHANAN ST

ATLANTA, GA 30339

**CURRENT RESIDENT** 

**CURRENT RESIDENT** 

WICHITA FALLS, TX 76308

**CURRENT RESIDENT** 

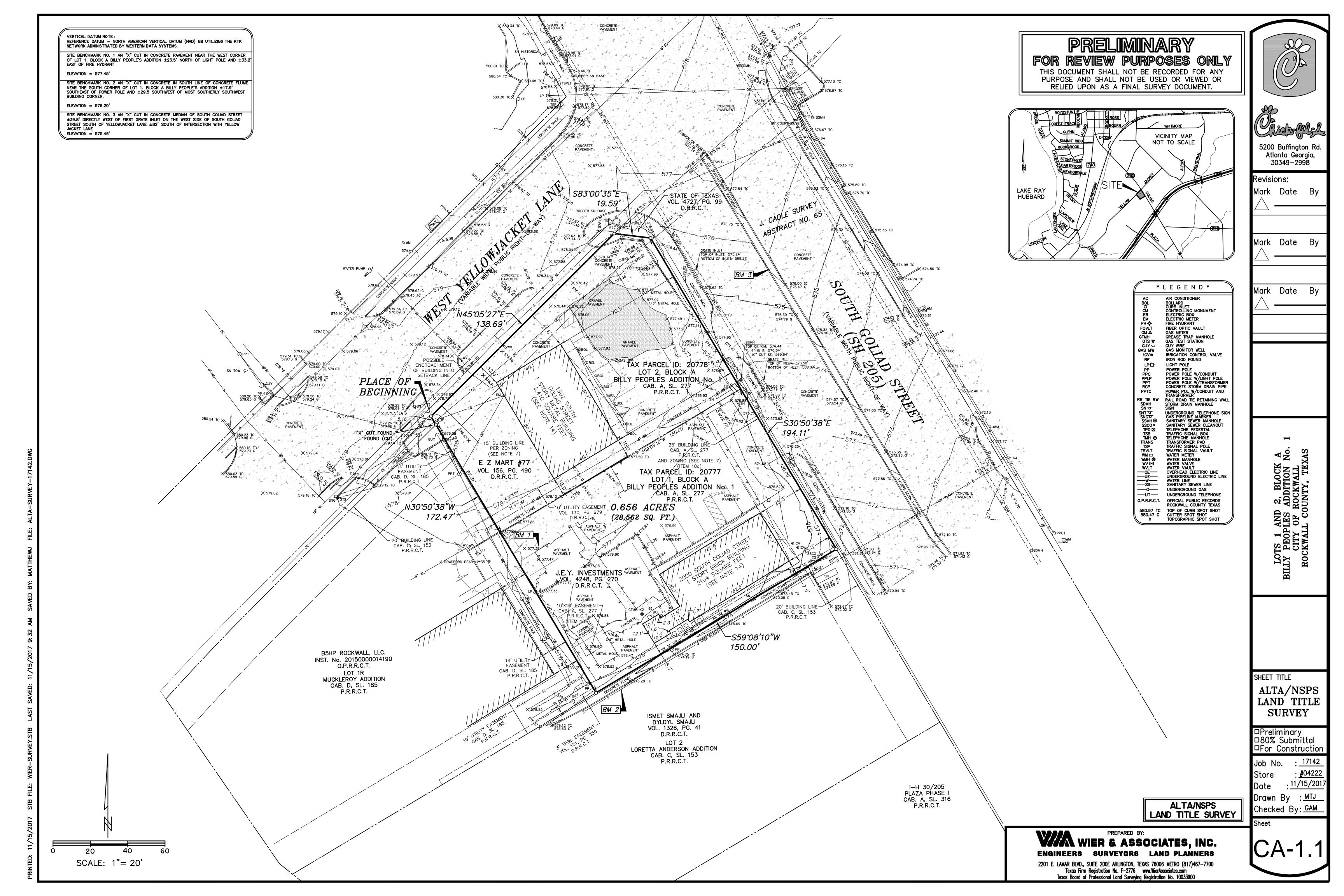
OKLAHOMA CITY, OK 73121

ROCK HOB LP 3305 BUCHANAN ST WICHITA FALLS, TX 76308 WDOP SUB I LP C/O THE MILESTONE GROUP LLC 5429 LBJ FREEWAY SUITE 800 DALLAS, TX 75240

JEY INVESTMENTS 602 FALVEY AVE TEXARKANA, TX 75501

RHOADS RHOADS AND COX 6905 ELLSWORTH AVE DALLAS, TX 75214 CARSON MARK R 701 N MUNSON RD ROYSE CITY, TX 75189 CURRENT RESIDENT 811 YELLOW JACKET ROCKWALL, TX 75087

E Z MART #77 PO BOX 1426 TEXARKANA, TX 75504 ROCKWALL ICE CREAM HOLDINGS LLC PO BOX 852 WAXAHACHIE, TX 75168 BOOMPA LTD PO BOX 999 ROCKWALL, TX 75087



#### <u>\*FIELD NOTES\*</u>

TRACT 1:

BEING A TRACT OF LAND LOCATED IN THE J. CADLE SURVEY, ABSTRACT No. 65, ROCKWALL COUNTY, TEXAS, ALL OF LOT 1 AND A PORTION OF 2, BILLY PEOPLE'S ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET A, SLIDE 277, PLAT RECORDS, ROCKWALL COUNTY, TEXAS (P.R.R.C.T.) AND BEING MORE

BEGINNING AT A POINT IN THE SOUTHEAST LINE OF WEST YELLOWJACKET LANE, (A VARIABLE WIDTH RIGHT-OF-WAY), SAID POINT BEING THE WEST CORNER OF SAID LOT 2; THENCE N 45'05'27" E, ALONG THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE AND THE NORTHWEST LINE OF SAID LOT 2, A DISTANCE OF 138.69 FEET TO A POINT, BEING THE WEST END OF A RIGHT-OF-WAY CORNER CLIP AT THE INTERSECTION OF THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE WITH THE SOUTHWEST RIGHT-OF-WAY LINE OF SOUTH GOLIAD STREET (A VARIABLE WIDTH RIGHT-OF-WAY);

THENCE S 83'00'35" E, ALONG SAID RIGHT-OF-WAY CLIP, A DISTANCE OF 19.59 FEET TO A POINT IN THE SOUTHWEST RIGHT-OF-WAY LINE OF SAID SOUTH GOLIAD STREET, AND THE NORTHEAST LINE OF SAID LOT 2, SAID POINT BEING THE EAST END OF SAID RIGHT-OF-WAY CLIP;

THENCE S 30'50'38" E, ALONG THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET AND THE NORTHEAST LINE OF SAID LOT 2, AT A DISTANCE OF 94.11 FEET, PASSING THE EAST CORNER OF SAID LOT 2 AND THE NORTH CORNER OF SAID LOT 1, CONTINUING ALONG THE NORTHEAST LINE OF SAID LOT 1, IN ALL A TOTAL DISTANCE OF 194.11 FEET TO A POINT BEING THE EAST CORNER OF SAID LOT 1 AND THE NORTH CORNER OF LOT 2, LORETTA ANDERSON ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET C, SLIDE 153, P.R.R.C.T.;

THENCE S 59'08'10" W, DEPARTING THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET, ALONG THE SOUTHEAST LINE OF SAID LOT 1 AND THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, A DISTANCE OF 150.00 FEET TO A POINT, BEING THE SOUTH CORNER OF SAID LOT 1 AND THE EAST CORNER OF LOT 1R MUCKLEROY ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET D, SLIDE 185, P.R.R.C.T.;

THENCE N 30'50'38" W, DEPARTING THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, ALONG THE SOUTHWEST LINE OF SAID LOT 1 AND THE NORTHEAST LINE OF SAID LOT 1R, AT A DISTANCE OF 100.00 FEET, PASSING THE WEST CORNER OF SAID LOT 1 AND THE SOUTH CORNER OF SAID LOT 2, BLOCK A, AT A DISTANCE OF 167.31 FEET, PASSING AN "X" CUT FOUND BEING THE NORTH CORNER OF SAID LOT 1R, CONTINUING IN ALL A TOTAL DISTANCE OF 172.47 FEET TO THE PLACE OF BEGINNING AND CONTAINING 0.656 ACRES (28,562 SQUARE FEET) OF LAND, MORE OR LESS.

#### \*TITLE NOTES\*

THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017

- 10d. THE 25' BUILDING SETBACK LINE SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10e. THE UNIDENTIFIED 10"X10" EASEMENT SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10f. THE EASEMENT RECORDED IN VOL. 65, PG. 50, D.R.R.C.T., IS NOT LOCATED ON THE SUBJECT TRACT.
- 10g. THE SUBJECT TRACT IS A PORTION OF THE LANDS DESCRIBED IN THE DEED RECORDED IN VOL. 46, PG. 41, D.R.R.C.T.

\*SURVEYOR'S NOTES\*

ACCORDING TO SURVEYOR'S INTERPRETATION OF INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) "FLOOD INSURANCE RATE MAP" (FIRM), MAP No. 48397C0040L, MAP REVISED SEPTEMBER 26, 2008, ALL OF THE SUBJECT TRACT LIES WITHIN ZONE "X", DEFINED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, FEDERAL INSURANCE ADMINISTRATION, OR THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN."

2. THE ABOVE REFERENCED "FIRM" MAP IS FOR USE IN ADMINISTERING THE "NFIP"; IT DOES NOT NECESSARILY SHOW ALL AREAS SUBJECT TO FLOODING, PARTICULARLY FROM LOCAL SOURCES OF SMALL SIZE, WHICH COULD BE FLOODED BY SEVERE, CONCENTRATED RAINFALL COUPLED WITH INADEQUATE LOCAL DRAINAGE SYSTEMS. THERE MAY BE OTHER STREAMS, CREEKS, LOW AREAS, DRAINAGE SYSTEMS OR OTHER SURFACE OR SUBSURFACE CONDITIONS EXISTING ON OR NEAR THE SUBJECT PROPERTY WHICH ARE NOT STUDIED OR ADDRESSED AS PART OF THE "NFIP".

I. THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION MARKED BY UTILITY LOCATORS, VISIBLE IMPROVEMENTS AND/OR EXISTING DRAWINGS. THIS SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THIS SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN THE EXACT LOCATION INDICATED. THIS SURVEYOR HAS NOT PHYSICALLY LOCATED OR DESIGNATED THE UNDERGROUND UTILITIES.

4. ALL BEARINGS SHOWN HEREON ARE CORRELATED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE 4202, NAD OF 1983, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS. 5. THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE

INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017. S. THE SUBJECT TRACT CONTAINS STRIPED PARKING SPACES, HOWEVER, AT THE TIME OF THE SURVEY, MANY STRIPES HAVE BECOME TOO OLD AND/OR DESTROYED AND FOR AN ACCURATE COUNT.

7. ACCORDING TO DEVELOPMENT INVESTIGATION REPORT PREPARED FOR CHICK-FIL-A, INC., PREPARED BY SITE DEVELOPMENT, INC., PROJECT No 04222, DATED OCTOBER, 10, 2017, THE SUBJECT TRACT IS ZONED "GR", GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY. SEE ZONING

8. ALL MATTERS SHOWN ON RECORDED PLAT PROVIDED TO THE SURVEYOR ARE SHOWN ON THE SURVEY.

9. AT THE TIME OF THE SURVEY, THERE WAS NO EVIDENCE OF CURRENT EARTH MOVING WORK OBSERVED IN THE PROCESS OF CONDUCTING THE

10. AT THE TIME OF THE SURVEY, SURVEYOR WAS NOT AWARE OF ANY PROPOSED CHANGES IN STREET RIGHT—OF—WAY. THERE WAS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.

11. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL. 12. THE SUBJECT TRACT HAS ACCESS TO SOUTH GOLIAD STREET ALONG THE SOUTHEAST LINE AND EAST YELLOWJACKET LANE ALONG THE NORTH LINE.

13. PROFESSIONAL LIABILITY INSURANCE POLICY OBTAINED BY THE SURVEYOR IN THE MINIMUM AMOUNT OF \$2,000,000 TO BE IN EFFECT THROUGHOUT CONTRACT TERM. CERTIFICATE OF INSURANCE TO BE FURNISHED UPON REQUEST.

14. THE SQUARE FOOTAGE OF THE BUILDING IS BASED ON THE EXTERIOR DIMENSIONS AS MEASURED AT GROUND LEVEL.

ZONING INFORMATION: THE SUBJECT TRACT IS CURRENTLY ZONED "GR" GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY ADJACENT PROPERTIES ARE ZONED: Front (NW): GR W Yellow Jacket Lane Left Side (NE): GR S Goliad Street Right Side (SW) | GR Commercial

Rear (SE): GR Restaurant MINIMUM LOT WIDTH IS N/A MINIMUM LOT DEPTH IS N/A MAXIMUM FLOOR AREA N/A

Right Side ( ( Commercial )

MAXIMUM BUILDING HEIGHT IS 30 FEET. BUILDING SETBACKS ARE: Front: (W Yellow Jacket Ln ) 15' Front: (S Goliad Street) 25' (per SH 205 Overlay)

LANDSCAPE SETBACKS ARE Front: (W Yellow Jacket Ln) 10' Left Side: (S Goliad Street) 20' Right Side: (Commercial) Rear: (Restaurant)

THE PARKING FORMULA FOR MINIMUM REQUIREMENTS: one (1) space per each 100 square feet of gross floor area.

POLE SIGNS ARE NOT PERMITTED

vi) ELECTRIC

ATT (Telephone)
Address: 2702 Wesley Street, Greenville, TX 75401
Contact: Mr. Chris Holmes
Phone: 903-457-2303

10) LANDLORD/DEVELOPER

\*CITY AND UTILITY PROVIDERS\*

) PLANNING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

2) ZONING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

City of Rockwall Building Department
Address: 385 S Gollad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972—772-6774

4) BUILDING DEPARTMENT City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

5) FIRE MARSHAL City of Rockwall Fire Department Address: 191 East Quail Run, Rockwall, TX 75087 Contact: Ms. Ariana Hargrove (Chief Fire Marshal)
Phone: 972-771-7774

City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

7) HEALTH DEPARTMENT KBK Food Safety Systems
Address: Address not required
Contact: Ms. Kelly Kirkpatrick
Phone: 214-202-1202

8) TRAFFIC ENGINEERING City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

9) SITE UTILITIES

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

iv) EROSION CONTROL City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

Atmos Energy
Address: No address needed
Contact: Ms. Dinah Wood
Phone: 972—485—6277

Oncor
Address: 1545 High Point Drive, Mesquite, TX 75149
Contact: Mr. Jason Escamilla
Phone: 972—216—8956

Dynamic Development
Address: 1725 21 st Street, Santa Monica, CA 90404
Contact: Mr. Dan Porter
Phone: 940—218—6684



The first of the state of the s 5200 Buffington Rd. Atlanta Georgia, 30349-2998

Revisions:

Mark Date By

Mark Date By

Mark Date By

A No

SHEET TITLE

ALTA/NSPS LAND TITLE **SURVEY** 

⊐Preliminary □80% Submittal □For Construction

: 17142 Job No. : <u>#04222</u> Store . 11/15/2017 Drawn By : MTJ

Checked By: GAM Sheet

PRELIMINARY FOR REVIEW PURPOSES ONLY THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY

PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT.

ALTA/NSPS

LAND TITLE SURVEY

7(a), 7(b1), 8, 9, 11, 13, 16, 17, 20, AND 21 OF TABLE A THEREOF.

"THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE

AUTHORITY OF GREGG A.E. MADSEN, RPLS. NO. 5798 ON OCTOBER 10, 2017. IT IS

NOT TO BE USED FOR RECORDING, CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

THIS DOCUMENT IS NOT TO BE RELIED UPON AS A COMPLETE SURVEY AND SHALL

THE FIELDWORK WAS COMPLETE ON OCTOBER 19TH. 2017.

\*SURVEYOR'S STATEMENT\*

FIDELITY NATIONAL TITLE INSURANCE COMPANY:

DATE OF PLAT OR MAP: \_\_\_\_\_

GREGG A.E. MADSEN, R.P.L.S.

E-MAIL: GreggM**©**WierAssociates.com

STATE OF TEXAS No. 5798

NOT BE RECORDED."

WIER & ASSOCIATES, INC. PREPARED BY: ENGINEERS SURVEYORS LAND PLANNERS

TO CHICK-FIL-A, INC, A GEORGIA CORPORATION, JEY INVESTMENTS, E Z MART #77, AND

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH LAWS REGULATING SURVEYING IN THE STATE OF TEXAS, AND WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, INCLUDES ITEMS 1, 2, 3, 4, 5, 6(b),

> 2201 E. LAMAR BLVD., SUITE 200E ARLINGTON, TEXAS 76006 METRO (817)467-7700 Texas Firm Registration No. F-2776 www.WierAssociates.com Texas Board of Professional Land Surveying Registration No. 10033900

### STEWS SYSTEMS

1/18/2018 LM

Applied

Closed

**Expired** 

Status

**Approved** 

#### **Project Plan Review History**

E, Z MART #77

Project Number Z2018-003

Project Name SUP for Chick-fil-a

Type ZONING Subtype SUP

Status Staff Review

Site Address City, State Zip

1902 S GOLIAD ROCKWALL, TX 75087 Zoning

Subdivision Tract Block Lot No Parcel No General Plan

Owner

Applicant

MUCKLEROY ADDITION 2 A 2 4650-000A-0002-00-0R

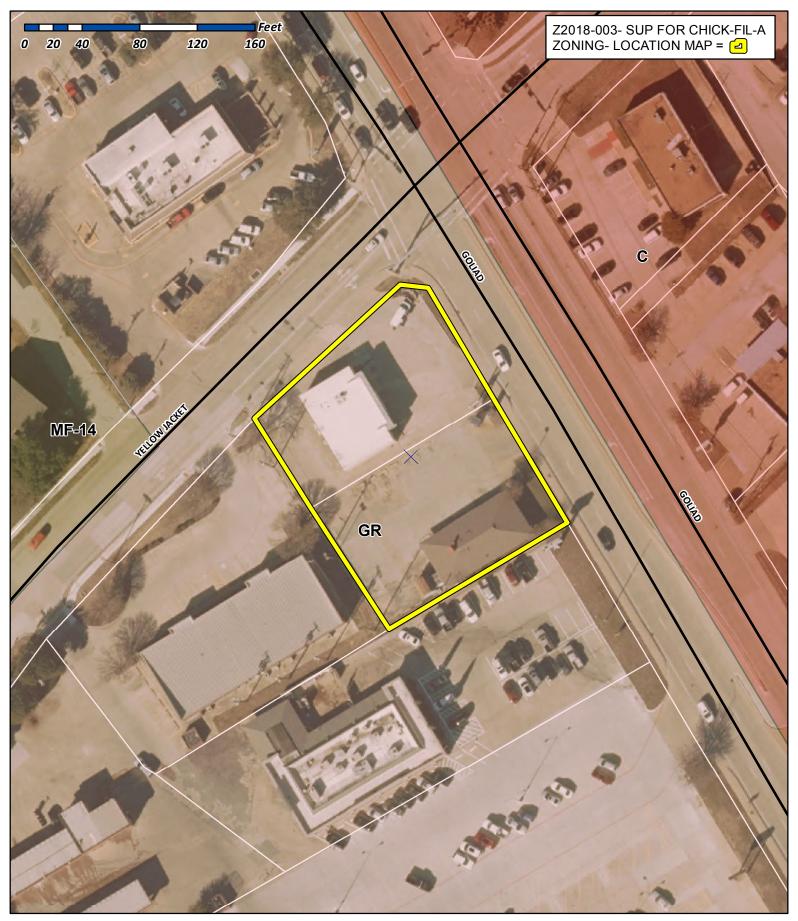
Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks	
BUILDING	John Ankrum	1/18/2018	1/25/2018				
ENGINEERING	Amy Williams	1/18/2018	1/25/2018	1/22/2018	4 APPROVED		
FIRE	Ariana Hargrove	1/18/2018	1/25/2018				
PLANNING	Korey Brooks	1/18/2018	1/25/2018	1/26/2018	8 COMMENTS	Comments	

#### Z2018-003 Chick-Fil-A

Please address the following comments (M= Mandatory Comments; I = Informational Comments).

- I.1 This is a request by Randy Eardley, P.E. of Wier & Associates, Inc. on behalf Getra Thomason-Saunders of Chick-Fil-A, Inc. for the approval of a Specific Use Permit (SUP) for a restaurant with a drive-through or drive-in on a 0.656-acre tract of land being identified as Lots 1 & 2, Block A, Billy Peoples #1 Addition, City of Rockwall, Rockwall County, Texas, zoned General Retail (GR) District, situated within the SH-205 Overlay (SH-205 OV) District, addressed as 1902 & 2000 S. Goliad Street [SH-205].
- I.2 For questions or comments concerning this case, please contact Korey Brooks in the Planning Department at (972) 772-6434 or email kbrooks@rockwall.com.

  M.3 For reference, include the case number (Z2017-065) in the lower right hand corner of all pages on future submittals.
- M.4 There will need to be a 4-foot wrought-iron fence constructed along the adjacent properties to the south and the west.
- I.5 Staff has identified the aforementioned items necessary to continue the submittal process. Please make these revisions and corrections, and provide any additional information that is requested by February 6, 2018. The Planning and Zoning Worksession for this case is January 30, 2018. The Planning and Zoning Meeting for this case is February 13, 2017.
- I.6 The projected City Council meeting date and subsequent approval for this request is February 19, 2018 and March 5, 2018.





# City of Rockwall Planning & Zoning Department 385 S. Goliad Street

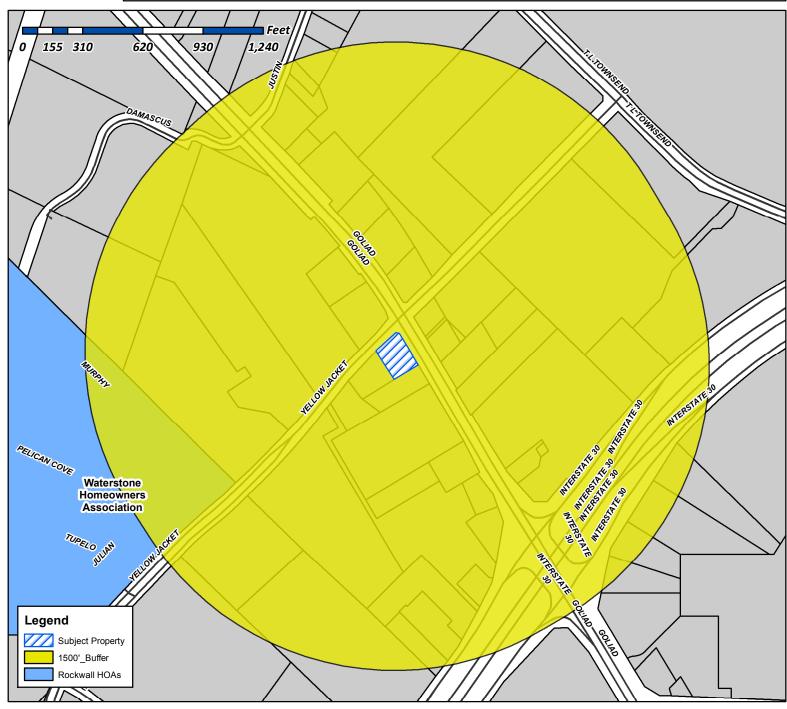
Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75032 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Case Number: Z2018-003

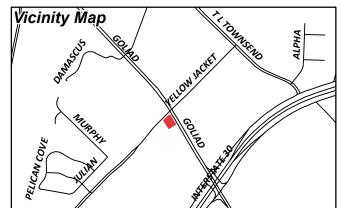
Case Name: SUP for Chick-Fil-A

Case Type: Zoning

Zoning: General Retail (GR) District Case Address: 1902 & 2000 S. Goliad Street

Date Created: 01/18/2018

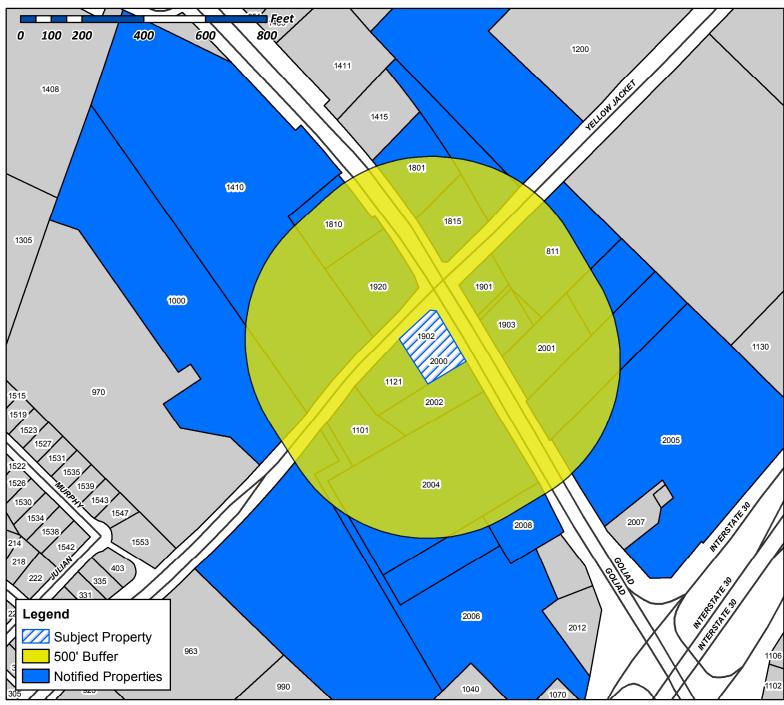
For Questions on this Case Call (972) 771-7745





Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Case Number: Z2018-003

Case Name: SUP for Chick-Fil-A

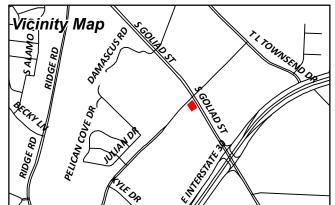
Case Type: Zoning

Zoning: General Retail (GR) District

Case Address: 1902 & 2000 South Goliad Street

Date Created: 01/18/2018

For Questions on this Case Call (972) 771-7745



1000 YELLOW JACKET LN ROCKWALL, TX 75087	CURRENT RESIDENT 1101 YELLOW JACKET LN ROCKWALL, TX 75087	CURRENT RESIDENT 1121 YELLOW JACKET LN ROCKWALL, TX 75087
FIRST UNITED METHODIST CHURCH FINANCE OFFICE 1200 E YELLOW JACKET LN ROCKWALL, TX 75087	B5HP ROCKWALL LLC 1300 E HWY 199 SPRINGTOWN, TX 76082	WDC PEBBLEBROOK APARTMENTS LLC 13400 BISHOP'S LANE SUITE 270 BROOKFIELD, WI 53005
CURRENT RESIDENT	SMAJLI ISMET & DYLDYL	PRITCHARD DONNA CULLINS
1410 S GOLIAD	1422 MURPHY DR	1610 SHORES BLVD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
ROCKWALL CENTRAL S/C II LTD	CURRENT RESIDENT	LONE STAR CHICKEN LP
16475 DALLAS PARKWAY SUITE 800	1801 S GOLIAD	1810 S GOLIAD ST
ADDISON, TX 75001	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
1815 S GOLIAD	1901 S GOLIAD	1902 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 1920 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT 2000 S GOLIAD ROCKWALL, TX 75087	ROCKWALL VET CLINIC C/O JOE LOFTIS 2001 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 2002 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
2004 S GOLIAD	2005 S GOLIAD	2006 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	LANDLOW LLC	COOPER RESIDENTIAL LLC
2008 S GOLIAD	2070 PONTCHARTRAIN	2560 TECHNOLOGY DRIVE SUITE 100
ROCKWALL, TX 75087	ROCKWALL, TX 75087	PLANO, TX 75074
RETAIL BUILDERS INC 3000 NE 63RD ST	RACETRAC PETROLEUM INC 3225 CUMBERLAND BLVD SE STE 100	ROCK HOB LP 3305 BUCHANAN ST

ATLANTA, GA 30339

**CURRENT RESIDENT** 

**CURRENT RESIDENT** 

WICHITA FALLS, TX 76308

**CURRENT RESIDENT** 

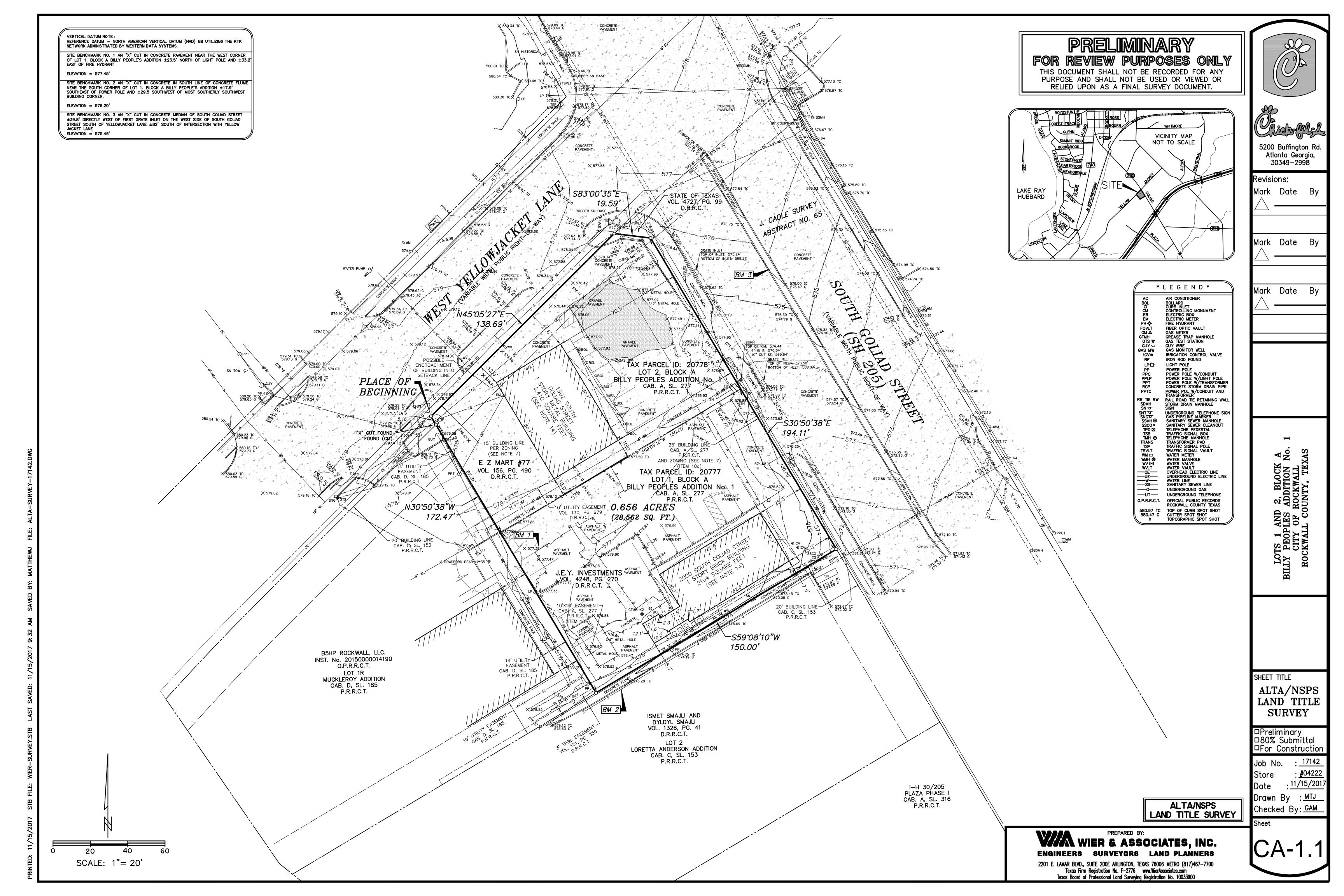
OKLAHOMA CITY, OK 73121

ROCK HOB LP 3305 BUCHANAN ST WICHITA FALLS, TX 76308 WDOP SUB I LP C/O THE MILESTONE GROUP LLC 5429 LBJ FREEWAY SUITE 800 DALLAS, TX 75240

JEY INVESTMENTS 602 FALVEY AVE TEXARKANA, TX 75501

RHOADS RHOADS AND COX 6905 ELLSWORTH AVE DALLAS, TX 75214 CARSON MARK R 701 N MUNSON RD ROYSE CITY, TX 75189 CURRENT RESIDENT 811 YELLOW JACKET ROCKWALL, TX 75087

E Z MART #77 PO BOX 1426 TEXARKANA, TX 75504 ROCKWALL ICE CREAM HOLDINGS LLC PO BOX 852 WAXAHACHIE, TX 75168 BOOMPA LTD PO BOX 999 ROCKWALL, TX 75087



#### <u>\*FIELD NOTES\*</u>

TRACT 1:

BEING A TRACT OF LAND LOCATED IN THE J. CADLE SURVEY, ABSTRACT No. 65, ROCKWALL COUNTY, TEXAS, ALL OF LOT 1 AND A PORTION OF 2, BILLY PEOPLE'S ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET A, SLIDE 277, PLAT RECORDS, ROCKWALL COUNTY, TEXAS (P.R.R.C.T.) AND BEING MORE

BEGINNING AT A POINT IN THE SOUTHEAST LINE OF WEST YELLOWJACKET LANE, (A VARIABLE WIDTH RIGHT-OF-WAY), SAID POINT BEING THE WEST CORNER OF SAID LOT 2; THENCE N 45'05'27" E, ALONG THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE AND THE NORTHWEST LINE OF SAID LOT 2, A DISTANCE OF 138.69 FEET TO A POINT, BEING THE WEST END OF A RIGHT-OF-WAY CORNER CLIP AT THE INTERSECTION OF THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE WITH THE SOUTHWEST RIGHT-OF-WAY LINE OF SOUTH GOLIAD STREET (A VARIABLE WIDTH RIGHT-OF-WAY);

THENCE S 83'00'35" E, ALONG SAID RIGHT-OF-WAY CLIP, A DISTANCE OF 19.59 FEET TO A POINT IN THE SOUTHWEST RIGHT-OF-WAY LINE OF SAID SOUTH GOLIAD STREET, AND THE NORTHEAST LINE OF SAID LOT 2, SAID POINT BEING THE EAST END OF SAID RIGHT-OF-WAY CLIP;

THENCE S 30'50'38" E, ALONG THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET AND THE NORTHEAST LINE OF SAID LOT 2, AT A DISTANCE OF 94.11 FEET, PASSING THE EAST CORNER OF SAID LOT 2 AND THE NORTH CORNER OF SAID LOT 1, CONTINUING ALONG THE NORTHEAST LINE OF SAID LOT 1, IN ALL A TOTAL DISTANCE OF 194.11 FEET TO A POINT BEING THE EAST CORNER OF SAID LOT 1 AND THE NORTH CORNER OF LOT 2, LORETTA ANDERSON ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET C, SLIDE 153, P.R.R.C.T.;

THENCE S 59'08'10" W, DEPARTING THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET, ALONG THE SOUTHEAST LINE OF SAID LOT 1 AND THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, A DISTANCE OF 150.00 FEET TO A POINT, BEING THE SOUTH CORNER OF SAID LOT 1 AND THE EAST CORNER OF LOT 1R MUCKLEROY ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET D, SLIDE 185, P.R.R.C.T.;

THENCE N 30'50'38" W, DEPARTING THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, ALONG THE SOUTHWEST LINE OF SAID LOT 1 AND THE NORTHEAST LINE OF SAID LOT 1R, AT A DISTANCE OF 100.00 FEET, PASSING THE WEST CORNER OF SAID LOT 1 AND THE SOUTH CORNER OF SAID LOT 2, BLOCK A, AT A DISTANCE OF 167.31 FEET, PASSING AN "X" CUT FOUND BEING THE NORTH CORNER OF SAID LOT 1R, CONTINUING IN ALL A TOTAL DISTANCE OF 172.47 FEET TO THE PLACE OF BEGINNING AND CONTAINING 0.656 ACRES (28,562 SQUARE FEET) OF LAND, MORE OR LESS.

#### \*TITLE NOTES\*

THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017

- 10d. THE 25' BUILDING SETBACK LINE SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10e. THE UNIDENTIFIED 10"X10" EASEMENT SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10f. THE EASEMENT RECORDED IN VOL. 65, PG. 50, D.R.R.C.T., IS NOT LOCATED ON THE SUBJECT TRACT.
- 10g. THE SUBJECT TRACT IS A PORTION OF THE LANDS DESCRIBED IN THE DEED RECORDED IN VOL. 46, PG. 41, D.R.R.C.T.

\*SURVEYOR'S NOTES\*

ACCORDING TO SURVEYOR'S INTERPRETATION OF INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) "FLOOD INSURANCE RATE MAP" (FIRM), MAP No. 48397C0040L, MAP REVISED SEPTEMBER 26, 2008, ALL OF THE SUBJECT TRACT LIES WITHIN ZONE "X", DEFINED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, FEDERAL INSURANCE ADMINISTRATION, OR THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN."

2. THE ABOVE REFERENCED "FIRM" MAP IS FOR USE IN ADMINISTERING THE "NFIP"; IT DOES NOT NECESSARILY SHOW ALL AREAS SUBJECT TO FLOODING, PARTICULARLY FROM LOCAL SOURCES OF SMALL SIZE, WHICH COULD BE FLOODED BY SEVERE, CONCENTRATED RAINFALL COUPLED WITH INADEQUATE LOCAL DRAINAGE SYSTEMS. THERE MAY BE OTHER STREAMS, CREEKS, LOW AREAS, DRAINAGE SYSTEMS OR OTHER SURFACE OR SUBSURFACE CONDITIONS EXISTING ON OR NEAR THE SUBJECT PROPERTY WHICH ARE NOT STUDIED OR ADDRESSED AS PART OF THE "NFIP".

I. THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION MARKED BY UTILITY LOCATORS, VISIBLE IMPROVEMENTS AND/OR EXISTING DRAWINGS. THIS SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THIS SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN THE EXACT LOCATION INDICATED. THIS SURVEYOR HAS NOT PHYSICALLY LOCATED OR DESIGNATED THE UNDERGROUND UTILITIES.

4. ALL BEARINGS SHOWN HEREON ARE CORRELATED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE 4202, NAD OF 1983, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS. 5. THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE

INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017. S. THE SUBJECT TRACT CONTAINS STRIPED PARKING SPACES, HOWEVER, AT THE TIME OF THE SURVEY, MANY STRIPES HAVE BECOME TOO OLD AND/OR DESTROYED AND FOR AN ACCURATE COUNT.

7. ACCORDING TO DEVELOPMENT INVESTIGATION REPORT PREPARED FOR CHICK-FIL-A, INC., PREPARED BY SITE DEVELOPMENT, INC., PROJECT No 04222, DATED OCTOBER, 10, 2017, THE SUBJECT TRACT IS ZONED "GR", GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY. SEE ZONING

8. ALL MATTERS SHOWN ON RECORDED PLAT PROVIDED TO THE SURVEYOR ARE SHOWN ON THE SURVEY.

9. AT THE TIME OF THE SURVEY, THERE WAS NO EVIDENCE OF CURRENT EARTH MOVING WORK OBSERVED IN THE PROCESS OF CONDUCTING THE

10. AT THE TIME OF THE SURVEY, SURVEYOR WAS NOT AWARE OF ANY PROPOSED CHANGES IN STREET RIGHT—OF—WAY. THERE WAS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.

11. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL. 12. THE SUBJECT TRACT HAS ACCESS TO SOUTH GOLIAD STREET ALONG THE SOUTHEAST LINE AND EAST YELLOWJACKET LANE ALONG THE NORTH LINE.

13. PROFESSIONAL LIABILITY INSURANCE POLICY OBTAINED BY THE SURVEYOR IN THE MINIMUM AMOUNT OF \$2,000,000 TO BE IN EFFECT THROUGHOUT CONTRACT TERM. CERTIFICATE OF INSURANCE TO BE FURNISHED UPON REQUEST.

14. THE SQUARE FOOTAGE OF THE BUILDING IS BASED ON THE EXTERIOR DIMENSIONS AS MEASURED AT GROUND LEVEL.

ZONING INFORMATION: THE SUBJECT TRACT IS CURRENTLY ZONED "GR" GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY ADJACENT PROPERTIES ARE ZONED: Front (NW): GR W Yellow Jacket Lane Left Side (NE): GR S Goliad Street Right Side (SW) | GR Commercial

Rear (SE): GR Restaurant MINIMUM LOT WIDTH IS N/A MINIMUM LOT DEPTH IS N/A MAXIMUM FLOOR AREA N/A

Right Side ( ( Commercial )

MAXIMUM BUILDING HEIGHT IS 30 FEET. BUILDING SETBACKS ARE: Front: (W Yellow Jacket Ln ) 15' Front: (S Goliad Street) 25' (per SH 205 Overlay)

LANDSCAPE SETBACKS ARE Front: (W Yellow Jacket Ln) 10' Left Side: (S Goliad Street) 20' Right Side: (Commercial) Rear: (Restaurant)

THE PARKING FORMULA FOR MINIMUM REQUIREMENTS: one (1) space per each 100 square feet of gross floor area.

POLE SIGNS ARE NOT PERMITTED

vi) ELECTRIC

ATT (Telephone)
Address: 2702 Wesley Street, Greenville, TX 75401
Contact: Mr. Chris Holmes
Phone: 903-457-2303

10) LANDLORD/DEVELOPER Dynamic Development
Address: 1725 21 st Street, Santa Monica, CA 90404
Contact: Mr. Dan Porter
Phone: 940—218—6684

\*CITY AND UTILITY PROVIDERS\*

) PLANNING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

2) ZONING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

City of Rockwall Building Department
Address: 385 S Gollad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972—772-6774

4) BUILDING DEPARTMENT City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

5) FIRE MARSHAL City of Rockwall Fire Department Address: 191 East Quail Run, Rockwall, TX 75087 Contact: Ms. Ariana Hargrove (Chief Fire Marshal)
Phone: 972-771-7774

City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

7) HEALTH DEPARTMENT KBK Food Safety Systems
Address: Address not required
Contact: Ms. Kelly Kirkpatrick
Phone: 214-202-1202

8) TRAFFIC ENGINEERING City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

9) SITE UTILITIES

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

iv) EROSION CONTROL City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

Atmos Energy
Address: No address needed
Contact: Ms. Dinah Wood
Phone: 972—485—6277

Oncor
Address: 1545 High Point Drive, Mesquite, TX 75149
Contact: Mr. Jason Escamilla
Phone: 972—216—8956

A No

The first of the state of the s

5200 Buffington Rd.

Atlanta Georgia,

30349-2998

Mark Date By

Mark Date By

Mark Date By

Revisions:

SHEET TITLE

ALTA/NSPS LAND TITLE **SURVEY** 

⊐Preliminary □80% Submittal □For Construction

: 17142 Job No. : <u>#04222</u> Store . 11/15/2017 Drawn By : MTJ

Checked By: GAM

Sheet

PRELIMINARY FOR REVIEW PURPOSES ONLY

THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT.

MADE IN ACCORDANCE WITH LAWS REGULATING SURVEYING IN THE STATE OF TEXAS, AND WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, INCLUDES ITEMS 1, 2, 3, 4, 5, 6(b), 7(a), 7(b1), 8, 9, 11, 13, 16, 17, 20, AND 21 OF TABLE A THEREOF.

\*SURVEYOR'S STATEMENT\*

THE FIELDWORK WAS COMPLETE ON OCTOBER 19TH. 2017.

FIDELITY NATIONAL TITLE INSURANCE COMPANY:

DATE OF PLAT OR MAP: \_\_\_\_\_ "THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF GREGG A.E. MADSEN, RPLS. NO. 5798 ON OCTOBER 10, 2017. IT IS NOT TO BE USED FOR RECORDING, CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. THIS DOCUMENT IS NOT TO BE RELIED UPON AS A COMPLETE SURVEY AND SHALL NOT BE RECORDED."

> 2201 E. LAMAR BLVD., SUITE 200E ARLINGTON, TEXAS 76006 METRO (817)467-7700 Texas Firm Registration No. F-2776 www.WierAssociates.com Texas Board of Professional Land Surveying Registration No. 10033900

TO CHICK-FIL-A, INC, A GEORGIA CORPORATION, JEY INVESTMENTS, E Z MART #77, AND

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE

GREGG A.E. MADSEN, R.P.L.S. STATE OF TEXAS No. 5798 E-MAIL: GreggM**©**WierAssociates.com

> WIER & ASSOCIATES, INC. PREPARED BY: ENGINEERS SURVEYORS LAND PLANNERS

ALTA/NSPS LAND TITLE SURVEY

#### CITY OF ROCKWALL

#### ORDINANCE NO. <u>18-XX</u> SPECIFIC USE PERMIT NO. S-XXX

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, AMENDING THE UNIFIED DEVELOPMENT CODE OF THE CITY OF ROCKWALL, TEXAS, AS PREVIOUSLY AMENDED, SO AS TO GRANT A SPECIFIC USE PERMIT (SUP) TO ALLOW FOR A RESTAURANT WITH A DRIVE-THROUGH IN A GENERAL RETAIL (GR) DISTRICT, ON A 0.656-ACRE TRACT OF LAND BEING IDENTIFIED AS LOTS 1 & 2, BLOCK A, BILLY PEOPLES #1 ADDITION, CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS; PROVIDING FOR SPECIAL CONDITIONS; PROVIDING FOR A PENALTY OF FINE NOT TO EXCEED THE SUM OF TWO THOUSAND DOLLARS (\$2,000.00) FOR EACH OFFENSE; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR A REPEALER CLAUSE; PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the City has received a request from Randy Eardley, P.E. of Wier & Associates, Inc. on behalf of Getra Thomason-Saunders of Chick-Fil-A, Inc. for the approval of a Specific Use Permit (SUP) to allow for a restaurant, 2,000 SF or more with a drive-through, in a General Retail (GR) District on a 0.656-acre tract of land being described as a Lots 1 & 2, Block A, Billy Peoples #1 Addition, City of Rockwall, Rockwall County, Texas, zoned General Retail (GR) District, addressed as 1902 & 2000 S. Goliad Street [SH-205], and being more specifically depicted in *Exhibit 'A'* of this ordinance, which herein after shall be referred to as the *Subject Property* and incorporated reference herein; and

WHEREAS, the Planning and Zoning Commission of the City of Rockwall and the governing body of the City of Rockwall, in compliance with the laws of the State of Texas and the ordinances of the City of Rockwall, have given the requisite notices by publication and otherwise, and have held public hearings and afforded a full and fair hearing to all property owners generally, and to all persons interested in and situated in the affected area and in the vicinity thereof, the governing body in the exercise of its legislative discretion has concluded that the Unified Development Code [Ordinance No. 04-38] of the City of Rockwall should be amended as follows:

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Rockwall, Texas;

**SECTION 1.** That the Unified Development Code [*Ordinance No. 04-38*] of the City of Rockwall, as heretofore amended, be and the same is hereby amended so as to grant a Specific Use Permit (SUP) allowing a *restaurant, 2,000 SF or more with a drive-through* as stipulated by Section 1, *Land Use Schedule* of Article IV, *Permissible Uses*, of the Unified Development Code [*Ordinance No. 04-38*] on the *Subject Property*; and

**SECTION 2.** That the Specific Use Permit (SUP) shall be subject to the conditions set forth in Subsection 4.4, General Retail (GR) District, Section 4, Commercial Districts, of Article V, District Development Standards, of the Unified Development Code (UDC) as heretofore amended and as may be amended in the future, and shall be subject to the following:

#### 2.1 OPERATIONAL CONDITIONS

The following conditions pertain to the operation of a restaurant, 2,000 SF or more with a drive-

through on the Subject Property and conformance to these stipulations is required for continued operations:

- 1) The restaurant shall generally conform to the concept plan shown in *Exhibit 'B'* and the concept building elevations shown in *Exhibit 'C'* of this ordinance.
- 2) The developer is to construct a 4-foot wrought-iron fence adjacent to the property line to the south and the west.

#### 2.2 COMPLIANCE

Approval of this ordinance in accordance with Section 8.3, *Council Approval or Denial*, of Article II, *Authority and Administrative Procedures*, of the Unified Development Code (UDC) will require compliance to the following:

1) Upon obtaining a Certificate of Occupancy (CO), should any business or establishment operating under the guidelines of this ordinance fail to meet the minimum operational requirements set forth herein and outline in the Unified Development Code (UDC), the City Council may (after proper notice) initiate proceedings to revoke the Specific Use Permit (SUP) in accordance with Section 4.4.(3) of Article IV, Permissible Uses, of the Unified Development Code (UDC).

**SECTION 3.** That the official zoning map of the City be corrected to reflect the changes in zoning described herein.

**SECTION 4.** That all ordinances of the City of Rockwall in conflict with the provisions of this ordinance be, and the same are hereby repealed to the extent of that conflict.

**SECTION 5.** Any person, firm, or corporation violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction shall be punished by a penalty of fine not to exceed the sum of *TWO THOUSAND DOLLARS* (\$2,000.00) for each offence and each and every day such offense shall continue shall be deemed to constitute a separate offense.

**SECTION 6.** If any section or provision of this ordinance or the application of that section or provision to any person, firm, corporation, situation or circumstance is for any reason judged invalid, the adjudication shall not affect any other section or provision of this ordinance or the application of any other section or provision to any other person, firm, corporation, situation or circumstance, and the City Council declares that it would have adopted the valid portions and applications of the ordinance without the invalid parts and to this end the provisions of this ordinance shall remain in full force and effect.

**SECTION 7.** That this ordinance shall take effect immediately from and after its passage and the publication of the caption of said ordinance as the law in such cases provides;

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, THIS THE 5<sup>TH</sup> DAY OF FEBRUARY, 2018.

ATTEST:	Jim Pruitt, <i>Mayor</i>	
Kristy Cole, City Secretary		
Z2017-065: Chick-Fil-A	Page 2	City of Rockwall, Texas
Ordinance No. 18-XX; SUP # S-XXX		

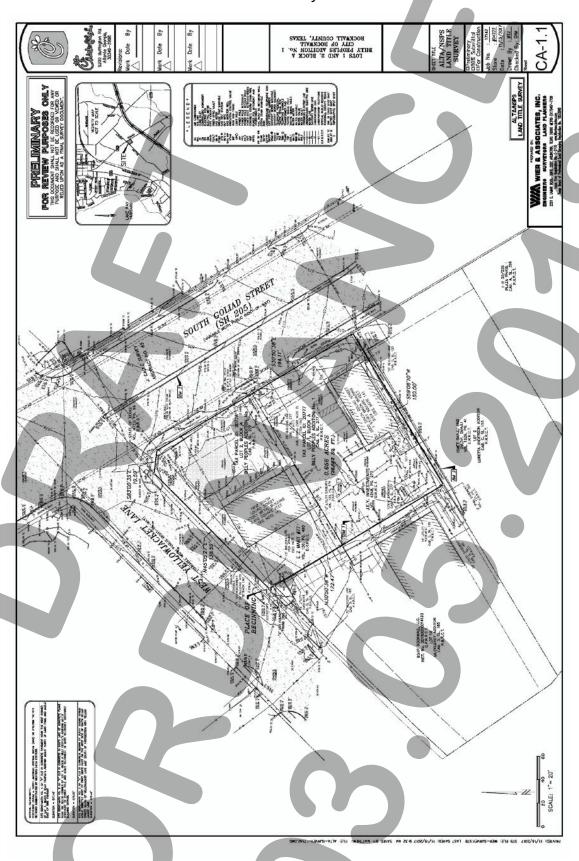
#### **APPROVED AS TO FORM:**

Frank J. Garza, City Attorney

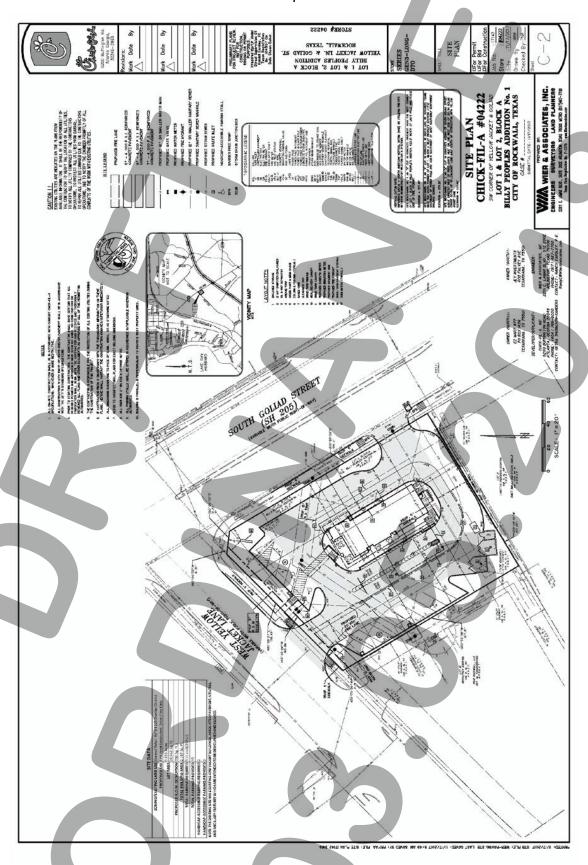
1st Reading: January 16, 2018

2<sup>nd</sup> Reading: *February 5, 2018* 

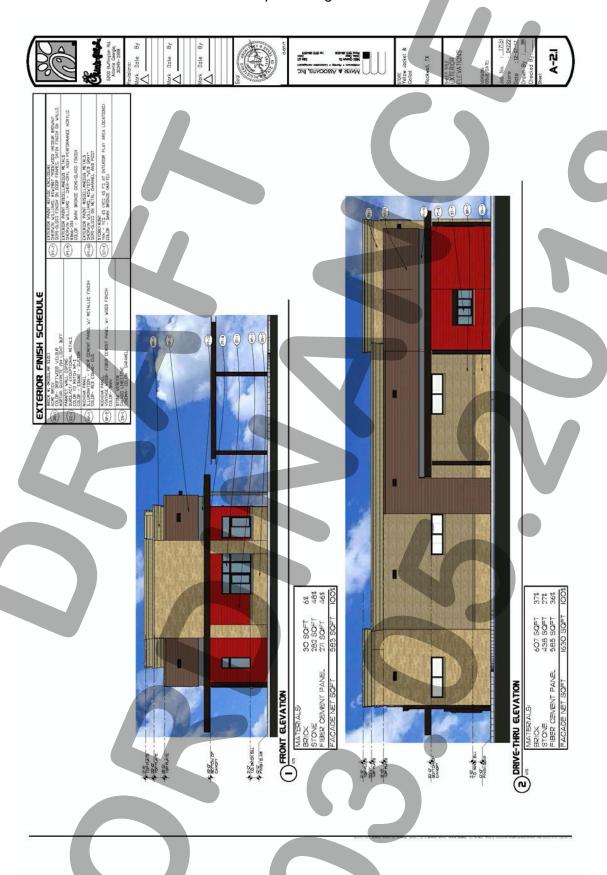
### Exhibit 'A': Survey



### Exhibit 'B': Concept Plan



### **Exhibit 'C':** Concept Building Elevations



### **Exhibit 'C':** Concept Building Elevations



### CITY OF ROCKWALL PLANNING AND ZONING MEMO

**AGENDA DATE:** 02/13/2018

**APPLICANT:** Randy Eardley, P.E.; Weir & Associates

**AGENDA ITEM: Z2018-003**; SUP for Chick-Fil-A Drive-Through

#### **SUMMARY:**

Hold a public hearing to discuss and consider a request by Randy Eardley, P.E. of Wier & Associates, Inc. on behalf Getra Thomason-Saunders of Chick-Fil-A, Inc. for the approval of a Specific Use Permit (SUP) for a restaurant with a drive-through or drive-in on a 0.656-acre tract of land being identified as Lots 1 & 2, Block A, Billy Peoples #1 Addition, City of Rockwall, Rockwall County, Texas, zoned General Retail (GR) District, situated within the SH-205 Overlay (SH-205 OV) District, addressed as 1902 & 2000 S. Goliad Street [SH-205], and take any action necessary.

#### **PURPOSE AND CHARACTERISTICS OF THE REQUEST:**

The applicant is requesting approval of a Specific Use Permit (SUP) for a restaurant, 2,000 SF or more, w/ drive-through [i.e. Chick-Fil-A]. The proposed restaurant will be ~2,200 SF, drive through only [i.e. no inside seating] with a walk-up window and five (5) outside tables. The restaurant will be situated on a 0.656-acre tract of land [i.e. Lots 1 & 2, Block A, Billy Peoples #1 Addition] that is zoned General Retail (GR) District, and is addressed as 1902 & 2000 S. Goliad Street [SH-205].

On December 12, 2017, the Planning and Zoning Commission approved a site plan [Case No. SP2017-037] for a restaurant with a drive-through on the subject property. Subsequently, the City Council approved variances associated with the approved site plan on December 18, 2017. After the approval of the site plan, staff recognized that the subject property was located in a General Retail (GR) District and would require a Specific Use Permit (SUP) for the drive-through facilities. Staff should note that although the approval of a Specific Use Permit (SUP) is discretionary to the Planning and Zoning Commission and the City Council, there currently exists several other restaurants with drive-throughs [e.g. Taco Casa, Braums, and Chicken Express] located adjacent to the subject property and are zoned General Retail (GR) District.

In December 2017, the applicant submitted a request for a Specific Use Permit (SUP) for a restaurant with a drive-through on the subject property under Case No. Z2017-065. January 9, 2018, the Planning and Commission approved a motion to recommend approval of Case No. Z2017-065. Subsequently, on January 16, 2018, the City Council denied the request without prejudice to allow the applicant to address issues concerning traffic, parking, and crossaccess. To address these issues, the applicant has submitted a revised the site plan that incorporates a four (4)-foot wrought-iron fence adjacent to the south and west property lines. Additionally, the applicant has indicated that they are working with the neighboring properties to obtain a parking agreement for 20 spaces for employee parking. This means that all parking spaces on the site plan will be dedicated to customer parking. The parking agreement is in its final stages and the applicant will submit once it is finalized. At the time of this report, the applicant had not submitted the traffic impact analysis (TIA), however, they have stated that it is being finalized and will be provided prior to the public hearing on February 13, 2018. Staff will review the traffic impact analysis (TIA) and provide a report to the Planning and Zoning Commission at the public hearing on February 13, 2018. Staff has incorporated these as operational conditions in the attached draft ordinance and there items will have to be satisfied

prior to the issuance of a building permit.

#### **ADJACENT LAND USES AND ACCESS:**

The land uses adjacent to the subject property are all follows:

North: North of the subject property is Yellow Jacket Lane, which is identified as an M4D

(major collector, 4-lane, divided roadway) on the City's Master Thoroughfare Plan. Beyond this are two (2) restaurants with drive-throughs [i.e. Braums and Chicken

*Express*]. This area is zoned General Retail (GR) District.

South: South of the subject property is a restaurant [i.e. Luigi's]. Beyond this is a parking

lot for a shopping center and a restaurant with a drive-through. This area is zoned

General Retail (GR) District.

East: East of the subject property is Goliad Street [SH-205], which is identified as a P6D

(principal arterial, 6-lane, divided highway) on the City's Master Thoroughfare Plan. Beyond this is a retail strip center with several retail business as well as a florist [i.e.

Sabrina's Flowers]. This area is zoned Commercial (C) District.

West: West of the subject property is an office building [i.e. Texas Department of Family

and Protective Services]. Beyond this is a car wash [i.e. Auto Clean]. This area is

zoned General Retail (GR) District.

#### **NOTIFICATION:**

On February 1, 2018, staff sent 39 notices to property owners and residents within 500-feet of the subject property. There are no Neighborhood Associations/HOA's located within 1,500-feet of the subject property participating the Neighborhood Notification Program. Additionally, staff posted a sign on the subject property as required by the UDC. At the time this report was drafted, staff had received any notices concerning this case.

<u>NOTE</u>: The Waterstone Estates HOA does not have contact information in neighborhood notification list.

#### **RECOMMENDATIONS:**

Should the Planning and Zoning Commission choose to recommend approval of the applicant's request then staff would recommend the following conditions of approval:

- 1) All comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of a building permit;
- 2) The restaurant shall generally conform to the concept plan depicted in *Exhibit 'B'* and the concept building elevations depicted in *Exhibit 'C'* of the SUP ordinance.
- 3) The developer is to construct a four (4)-foot wrought-iron fence adjacent to the property line to the southern and western property lines as depicted in *Exhibit 'B'* of the SUP ordinance.
- 4) At the time of final plat, the developer shall submit a parking agreement indicating the location of the proposed 20 parking spaces on the adjacent property. This document will be required to be approved by the City Council and shall be filed with Rockwall County prior to the issuance of a Building Permit.
- 5) Any construction or building necessary to complete this *Site Plan* request must conform to the requirements set forth by the UDC, the International Building Code, the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

### STEWS SYSTEMS

1/18/2018 LM

Applied

Closed

**Expired** 

Status

**Approved** 

#### **Project Plan Review History**

E, Z MART #77

Project Number Z2018-003

Project Name SUP for Chick-fil-a

Type ZONING Subtype SUP

Status Staff Review

Site Address City, State Zip

1902 S GOLIAD ROCKWALL, TX 75087 Zoning

Subdivision Tract Block Lot No Parcel No General Plan

Owner

Applicant

MUCKLEROY ADDITION 2 A 2 4650-000A-0002-00-0R

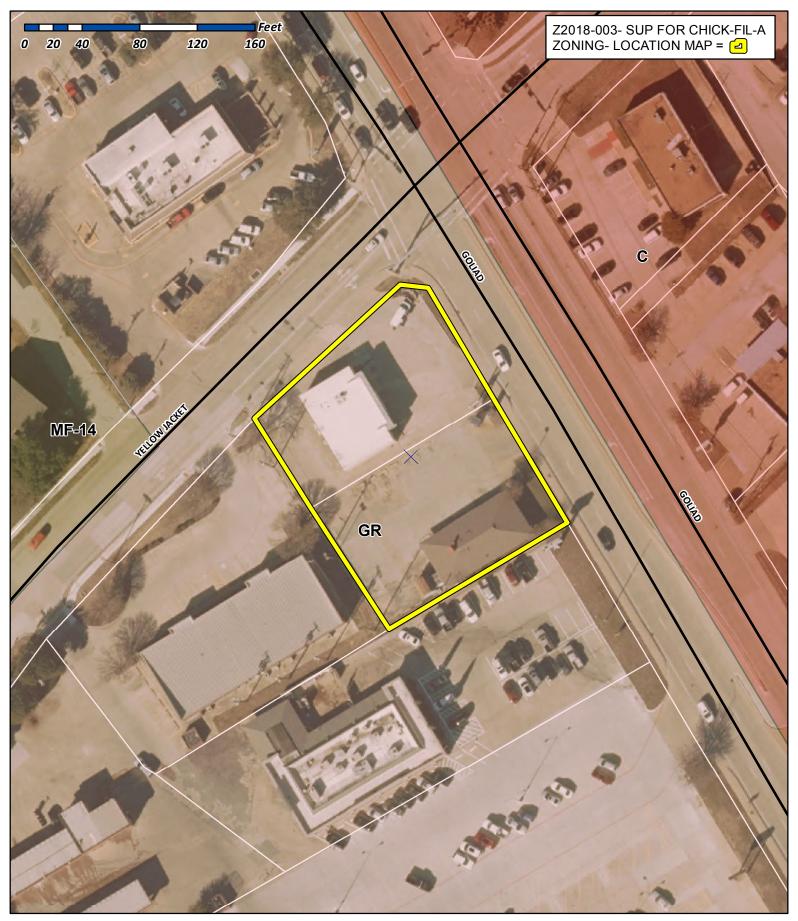
Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks	
BUILDING	John Ankrum	1/18/2018	1/25/2018				
ENGINEERING	Amy Williams	1/18/2018	1/25/2018	1/22/2018	4 APPROVED		
FIRE	Ariana Hargrove	1/18/2018	1/25/2018				
PLANNING	Korey Brooks	1/18/2018	1/25/2018	1/26/2018	8 COMMENTS	Comments	

#### Z2018-003 Chick-Fil-A

Please address the following comments (M= Mandatory Comments; I = Informational Comments).

- I.1 This is a request by Randy Eardley, P.E. of Wier & Associates, Inc. on behalf Getra Thomason-Saunders of Chick-Fil-A, Inc. for the approval of a Specific Use Permit (SUP) for a restaurant with a drive-through or drive-in on a 0.656-acre tract of land being identified as Lots 1 & 2, Block A, Billy Peoples #1 Addition, City of Rockwall, Rockwall County, Texas, zoned General Retail (GR) District, situated within the SH-205 Overlay (SH-205 OV) District, addressed as 1902 & 2000 S. Goliad Street [SH-205].
- I.2 For questions or comments concerning this case, please contact Korey Brooks in the Planning Department at (972) 772-6434 or email kbrooks@rockwall.com.

  M.3 For reference, include the case number (Z2017-065) in the lower right hand corner of all pages on future submittals.
- M.4 There will need to be a 4-foot wrought-iron fence constructed along the adjacent properties to the south and the west.
- I.5 Staff has identified the aforementioned items necessary to continue the submittal process. Please make these revisions and corrections, and provide any additional information that is requested by February 6, 2018. The Planning and Zoning Worksession for this case is January 30, 2018. The Planning and Zoning Meeting for this case is February 13, 2017.
- I.6 The projected City Council meeting date and subsequent approval for this request is February 19, 2018 and March 5, 2018.





# City of Rockwall Planning & Zoning Department 385 S. Goliad Street

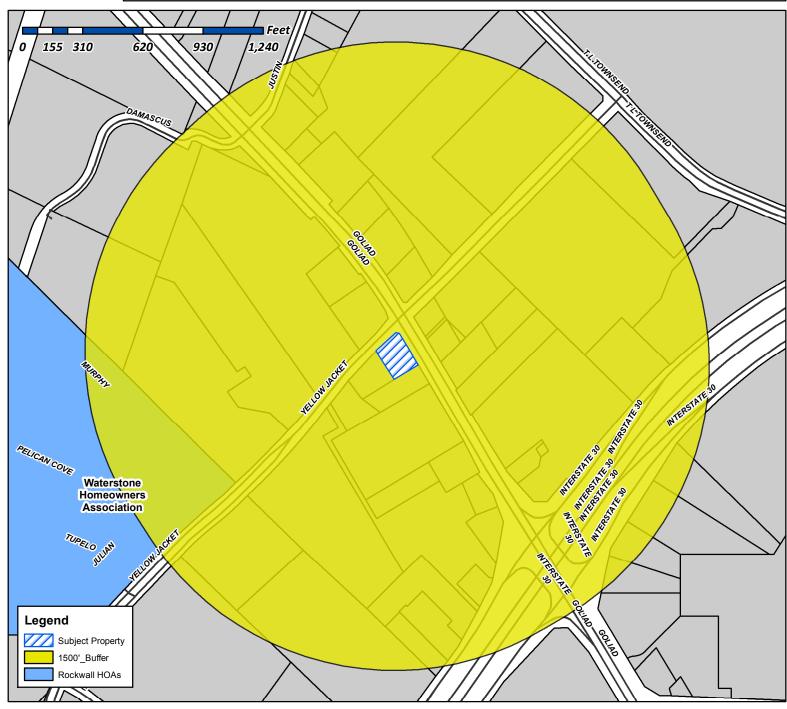
Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75032 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Case Number: Z2018-003

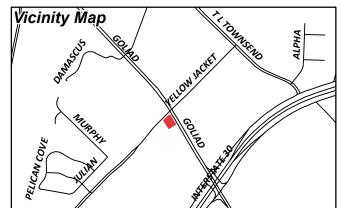
Case Name: SUP for Chick-Fil-A

Case Type: Zoning

Zoning: General Retail (GR) District Case Address: 1902 & 2000 S. Goliad Street

Date Created: 01/18/2018

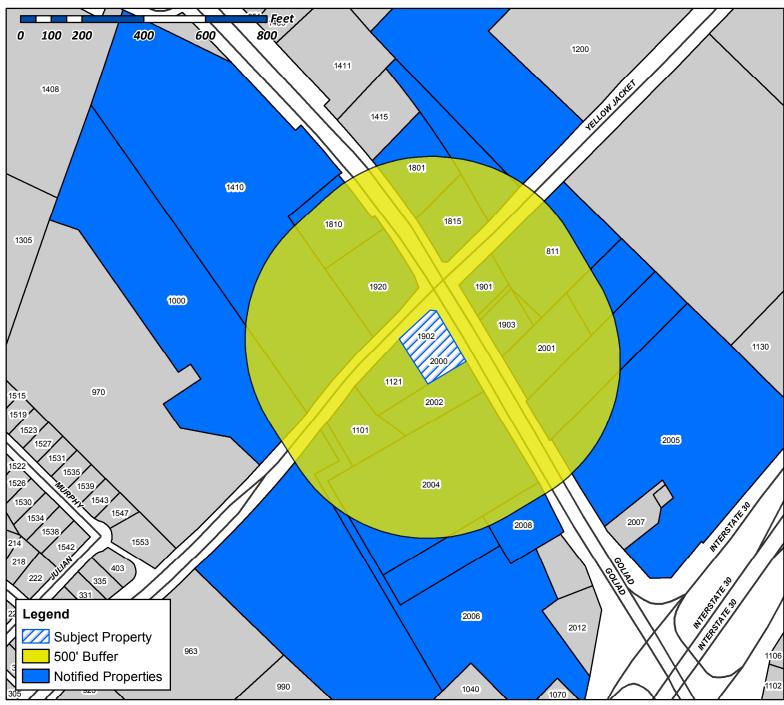
For Questions on this Case Call (972) 771-7745





Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Case Number: Z2018-003

Case Name: SUP for Chick-Fil-A

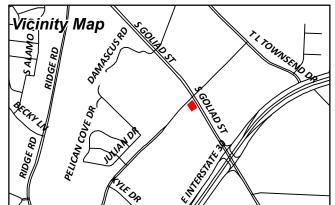
Case Type: Zoning

Zoning: General Retail (GR) District

Case Address: 1902 & 2000 South Goliad Street

Date Created: 01/18/2018

For Questions on this Case Call (972) 771-7745



1000 YELLOW JACKET LN ROCKWALL, TX 75087	CURRENT RESIDENT 1101 YELLOW JACKET LN ROCKWALL, TX 75087	CURRENT RESIDENT 1121 YELLOW JACKET LN ROCKWALL, TX 75087
FIRST UNITED METHODIST CHURCH FINANCE OFFICE 1200 E YELLOW JACKET LN ROCKWALL, TX 75087	B5HP ROCKWALL LLC 1300 E HWY 199 SPRINGTOWN, TX 76082	WDC PEBBLEBROOK APARTMENTS LLC 13400 BISHOP'S LANE SUITE 270 BROOKFIELD, WI 53005
CURRENT RESIDENT	SMAJLI ISMET & DYLDYL	PRITCHARD DONNA CULLINS
1410 S GOLIAD	1422 MURPHY DR	1610 SHORES BLVD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
ROCKWALL CENTRAL S/C II LTD	CURRENT RESIDENT	LONE STAR CHICKEN LP
16475 DALLAS PARKWAY SUITE 800	1801 S GOLIAD	1810 S GOLIAD ST
ADDISON, TX 75001	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
1815 S GOLIAD	1901 S GOLIAD	1902 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 1920 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT 2000 S GOLIAD ROCKWALL, TX 75087	ROCKWALL VET CLINIC C/O JOE LOFTIS 2001 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 2002 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
2004 S GOLIAD	2005 S GOLIAD	2006 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	LANDLOW LLC	COOPER RESIDENTIAL LLC
2008 S GOLIAD	2070 PONTCHARTRAIN	2560 TECHNOLOGY DRIVE SUITE 100
ROCKWALL, TX 75087	ROCKWALL, TX 75087	PLANO, TX 75074
RETAIL BUILDERS INC 3000 NE 63RD ST	RACETRAC PETROLEUM INC 3225 CUMBERLAND BLVD SE STE 100	ROCK HOB LP 3305 BUCHANAN ST

ATLANTA, GA 30339

**CURRENT RESIDENT** 

**CURRENT RESIDENT** 

WICHITA FALLS, TX 76308

**CURRENT RESIDENT** 

OKLAHOMA CITY, OK 73121

ROCK HOB LP 3305 BUCHANAN ST WICHITA FALLS, TX 76308 WDOP SUB I LP C/O THE MILESTONE GROUP LLC 5429 LBJ FREEWAY SUITE 800 DALLAS, TX 75240

JEY INVESTMENTS 602 FALVEY AVE TEXARKANA, TX 75501

RHOADS RHOADS AND COX 6905 ELLSWORTH AVE DALLAS, TX 75214 CARSON MARK R 701 N MUNSON RD ROYSE CITY, TX 75189 CURRENT RESIDENT 811 YELLOW JACKET ROCKWALL, TX 75087

E Z MART #77 PO BOX 1426 TEXARKANA, TX 75504 ROCKWALL ICE CREAM HOLDINGS LLC PO BOX 852 WAXAHACHIE, TX 75168 BOOMPA LTD PO BOX 999 ROCKWALL, TX 75087



Jan. 22, 2018

The Honorable Mayor Jim Pruitt City of Rockwall Rockwall Texas

RE: 1902 S. Goliad, Rockwall, Texas 75087

Dear Mr. Mayor,

My firm, Dynamic Development Company (Dynamic), controls the property at the southwest corner of Goliad and Yellow Jacket in Rockwall. Dynamic is a leading single and multi-tenant retail development company with more than 50 years experience and offices in Santa Monica, Calif., Las Vegas and Dallas.

We primarily develop retail and mixed-use projects and work with national, regional and local retailers to create high-quality real estate development projects throughout the Southwest.

One of our strategic development partners, with which we have completed numerous restaurants, is Chick-Fil-A ("CFA"). At 1902 S. Goliad in Rockwall, our intent is to sell this property to CFA so they may construct a limited-service, drive-through-only restaurant.

As you may know, CFA is very successful on the south-west side of Rockwall, and this restaurant should provide Rockwall with another high-quality CFA, while relieving some of the demand on the existing restaurant. In addition, our Company is developing the former Johnny Carino's property at 819 E I-30 frontage road in Rockwall. We also are building a multi-tenant small shopping center and are proud to have Jason's Deli and Sleep Number as our anchor tenants there. That project should be completed by Fall of this year.

We were surprised and disappointed to see Mr. Mario Smajli stir up opposition to a CFA restaurant. I have been in the retail/food-service real estate development for more than 30 years and note that it is rare for there to be opposition to a CFA by a city or community. It just doesn't happen.

That is why I believe it is important that you and city council understand the events of last summer which potentially led to Mr. Smajli's actions and rhetoric at the Jan. 16 public hearing and the story behind his intent to block this new restaurant development. Here are the facts:

 During the summer of 2017, Mr. Smajli and I negotiated for several months his purchase of the subject property. I have written documentation of months of purchase offers and counter offers between Mr. Smajli and myself. He had every opportunity to purchase 1902 S. Goliad St. When he could not meet my asking price, I even offered to lease the property to Mr Smajli, but he would not lease. He insisted on only buying the property so he could build a restaurant on it;



the same development Chick-Fil-A intends. I considered all his purchase offers, just as I do with other retailers. Unfortunately, Mr. Smajli's offers were <u>all well below</u> our asking price.

- Mr. Smajli had every opportunity to buy this property by meeting or exceeding the competitive offers that Dynamic had received. Mr. Smajli was simply unwilling to meet the asking sales price or meet the competitive offers that we had in hand.
- Mr. Smalji offers also indicated he was a "contingent buyer" requiring financing to close on the sale.
- Mr. Smajli indicated he was upset that he was unsuccessful in acquiring the subject property for the development of a new restaurant and has now turned to the City to block the CFA restaurant-related development that happens to be adjacent to his existing property.

I have reviewed the video of Mr. Smalji's testimony at the Jan. 16 city council meeting and believe he demonstrated he has an axe to grind over this proposed development. It appears Mr. Smajli is upset he was not able to come to terms with me and my company on lease or purchase terms for the subject property.

Common sense would indicate Mr. Smajli is concerned that another restaurant may out-position his Luigi's restaurant and create more competition. As you know, competition is good for Rockwall consumers, the free marketplace and for tax revenues. It's likely Mr. Smajli is responsible for recruiting the adjacent property and business owner and several residents to show up and voice opposition to this development project. While this is his prerogative, it is not in the best interest of the community there.

Chick-Fil-A is a leader in the quick-service restaurant industry and a pillar in the communities it serves. It is CFA's intent to design and build an attractive restaurant to serve the residents of the community, greatly improve the appearance of this blighted corner, and deliver maximum tax revenues for the people and the City of Rockwall. This CFA development would:

- provide numerous job opportunities
- create another attractive corner on Hwy 205 Goliad St. in Rockwall
- contribute sales tax revenue for the city, given CFA averages well above the industry average in restaurant sales annually
- add to the city's infrastructure of new assets meeting city guidelines and requirements
- be a catalyst for economic development as CFA attracts other restaurants and stores

I understand Chick-Fil-A has re-applied for approval. We sincerely hope that you as the Mayor and the Rockwall City Council understand what is behind Mr. Smajli's opposition and will review CFA's re-



application favorably. We firmly believe that doing so is the right thing for the residents, community and City of Rockwall.

Thank you for your time and consideration.

Best regards,

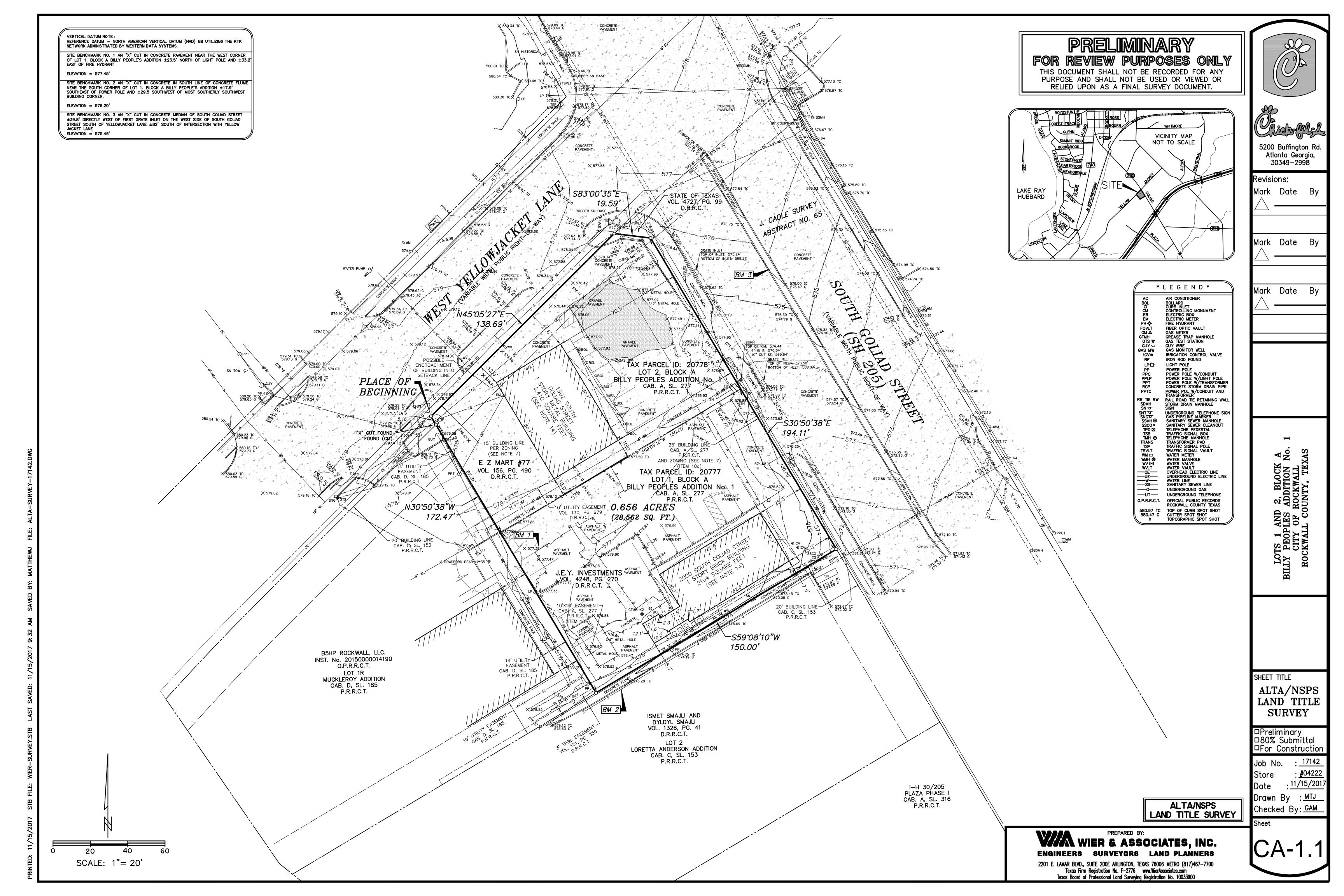
Daniel J. Porter, Vice President Dynamic Development Company

214-662-5167 Dan.porter@dynamicdevco.com

C.C.:

**City Council Members** 

Mr. Ryan Miller



## <u>\*FIELD NOTES\*</u>

TRACT 1:

BEING A TRACT OF LAND LOCATED IN THE J. CADLE SURVEY, ABSTRACT No. 65, ROCKWALL COUNTY, TEXAS, ALL OF LOT 1 AND A PORTION OF 2, BILLY PEOPLE'S ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET A, SLIDE 277, PLAT RECORDS, ROCKWALL COUNTY, TEXAS (P.R.R.C.T.) AND BEING MORE

BEGINNING AT A POINT IN THE SOUTHEAST LINE OF WEST YELLOWJACKET LANE, (A VARIABLE WIDTH RIGHT-OF-WAY), SAID POINT BEING THE WEST CORNER OF SAID LOT 2; THENCE N 45'05'27" E, ALONG THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE AND THE NORTHWEST LINE OF SAID LOT 2, A DISTANCE OF 138.69 FEET TO A POINT, BEING THE WEST END OF A RIGHT-OF-WAY CORNER CLIP AT THE INTERSECTION OF THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE WITH THE SOUTHWEST RIGHT-OF-WAY LINE OF SOUTH GOLIAD STREET (A VARIABLE WIDTH RIGHT-OF-WAY);

THENCE S 83'00'35" E, ALONG SAID RIGHT-OF-WAY CLIP, A DISTANCE OF 19.59 FEET TO A POINT IN THE SOUTHWEST RIGHT-OF-WAY LINE OF SAID SOUTH GOLIAD STREET, AND THE NORTHEAST LINE OF SAID LOT 2, SAID POINT BEING THE EAST END OF SAID RIGHT-OF-WAY CLIP;

THENCE S 30'50'38" E, ALONG THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET AND THE NORTHEAST LINE OF SAID LOT 2, AT A DISTANCE OF 94.11 FEET, PASSING THE EAST CORNER OF SAID LOT 2 AND THE NORTH CORNER OF SAID LOT 1, CONTINUING ALONG THE NORTHEAST LINE OF SAID LOT 1, IN ALL A TOTAL DISTANCE OF 194.11 FEET TO A POINT BEING THE EAST CORNER OF SAID LOT 1 AND THE NORTH CORNER OF LOT 2, LORETTA ANDERSON ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET C, SLIDE 153, P.R.R.C.T.;

THENCE S 59'08'10" W, DEPARTING THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET, ALONG THE SOUTHEAST LINE OF SAID LOT 1 AND THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, A DISTANCE OF 150.00 FEET TO A POINT, BEING THE SOUTH CORNER OF SAID LOT 1 AND THE EAST CORNER OF LOT 1R MUCKLEROY ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET D, SLIDE 185, P.R.R.C.T.;

THENCE N 30'50'38" W, DEPARTING THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, ALONG THE SOUTHWEST LINE OF SAID LOT 1 AND THE NORTHEAST LINE OF SAID LOT 1R, AT A DISTANCE OF 100.00 FEET, PASSING THE WEST CORNER OF SAID LOT 1 AND THE SOUTH CORNER OF SAID LOT 2, BLOCK A, AT A DISTANCE OF 167.31 FEET, PASSING AN "X" CUT FOUND BEING THE NORTH CORNER OF SAID LOT 1R, CONTINUING IN ALL A TOTAL DISTANCE OF 172.47 FEET TO THE PLACE OF BEGINNING AND CONTAINING 0.656 ACRES (28,562 SQUARE FEET) OF LAND, MORE OR LESS.

# \*TITLE NOTES\*

THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017

- 10d. THE 25' BUILDING SETBACK LINE SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10e. THE UNIDENTIFIED 10'X10' EASEMENT SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10f. THE EASEMENT RECORDED IN VOL. 65, PG. 50, D.R.R.C.T., IS NOT LOCATED ON THE SUBJECT TRACT.
- 10g. THE SUBJECT TRACT IS A PORTION OF THE LANDS DESCRIBED IN THE DEED RECORDED IN VOL. 46, PG. 41, D.R.R.C.T.

\*SURVEYOR'S NOTES\*

ACCORDING TO SURVEYOR'S INTERPRETATION OF INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) "FLOOD INSURANCE RATE MAP" (FIRM), MAP No. 48397C0040L, MAP REVISED SEPTEMBER 26, 2008, ALL OF THE SUBJECT TRACT LIES WITHIN ZONE "X", DEFINED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, FEDERAL INSURANCE ADMINISTRATION, OR THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN."

2. THE ABOVE REFERENCED "FIRM" MAP IS FOR USE IN ADMINISTERING THE "NFIP"; IT DOES NOT NECESSARILY SHOW ALL AREAS SUBJECT TO FLOODING, PARTICULARLY FROM LOCAL SOURCES OF SMALL SIZE, WHICH COULD BE FLOODED BY SEVERE, CONCENTRATED RAINFALL COUPLED WITH INADEQUATE LOCAL DRAINAGE SYSTEMS. THERE MAY BE OTHER STREAMS, CREEKS, LOW AREAS, DRAINAGE SYSTEMS OR OTHER SURFACE OR SUBSURFACE CONDITIONS EXISTING ON OR NEAR THE SUBJECT PROPERTY WHICH ARE NOT STUDIED OR ADDRESSED AS PART OF THE "NFIP".

I. THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION MARKED BY UTILITY LOCATORS, VISIBLE IMPROVEMENTS AND/OR EXISTING DRAWINGS. THIS SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THIS SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN THE EXACT LOCATION INDICATED. THIS SURVEYOR HAS NOT PHYSICALLY LOCATED OR DESIGNATED THE UNDERGROUND UTILITIES.

4. ALL BEARINGS SHOWN HEREON ARE CORRELATED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE 4202, NAD OF 1983, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS. 5. THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE

INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017. S. THE SUBJECT TRACT CONTAINS STRIPED PARKING SPACES, HOWEVER, AT THE TIME OF THE SURVEY, MANY STRIPES HAVE BECOME TOO OLD AND/OR DESTROYED AND FOR AN ACCURATE COUNT.

7. ACCORDING TO DEVELOPMENT INVESTIGATION REPORT PREPARED FOR CHICK-FIL-A, INC., PREPARED BY SITE DEVELOPMENT, INC., PROJECT No 04222, DATED OCTOBER, 10, 2017, THE SUBJECT TRACT IS ZONED "GR", GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY. SEE ZONING

8. ALL MATTERS SHOWN ON RECORDED PLAT PROVIDED TO THE SURVEYOR ARE SHOWN ON THE SURVEY.

9. AT THE TIME OF THE SURVEY, THERE WAS NO EVIDENCE OF CURRENT EARTH MOVING WORK OBSERVED IN THE PROCESS OF CONDUCTING THE

10. AT THE TIME OF THE SURVEY, SURVEYOR WAS NOT AWARE OF ANY PROPOSED CHANGES IN STREET RIGHT—OF—WAY. THERE WAS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.

11. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL. 12. THE SUBJECT TRACT HAS ACCESS TO SOUTH GOLIAD STREET ALONG THE SOUTHEAST LINE AND EAST YELLOWJACKET LANE ALONG THE NORTH LINE.

13. PROFESSIONAL LIABILITY INSURANCE POLICY OBTAINED BY THE SURVEYOR IN THE MINIMUM AMOUNT OF \$2,000,000 TO BE IN EFFECT THROUGHOUT CONTRACT TERM. CERTIFICATE OF INSURANCE TO BE FURNISHED UPON REQUEST.

14. THE SQUARE FOOTAGE OF THE BUILDING IS BASED ON THE EXTERIOR DIMENSIONS AS MEASURED AT GROUND LEVEL.

ZONING INFORMATION: THE SUBJECT TRACT IS CURRENTLY ZONED "GR" GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY ADJACENT PROPERTIES ARE ZONED: Front (NW): GR W Yellow Jacket Lane Left Side (NE): GR S Goliad Street Right Side (SW) | GR Commercial

Rear (SE): GR Restaurant MINIMUM LOT WIDTH IS N/A MINIMUM LOT DEPTH IS N/A MAXIMUM FLOOR AREA N/A

Right Side ( ( Commercial )

MAXIMUM BUILDING HEIGHT IS 30 FEET. BUILDING SETBACKS ARE: Front: (W Yellow Jacket Ln ) 15' Front: (S Goliad Street) 25' (per SH 205 Overlay)

LANDSCAPE SETBACKS ARE Front: (W Yellow Jacket Ln) 10' Left Side: (S Goliad Street) 20' Right Side: (Commercial) Rear: (Restaurant)

THE PARKING FORMULA FOR MINIMUM REQUIREMENTS: one (1) space per each 100 square feet of gross floor area.

POLE SIGNS ARE NOT PERMITTED

vi) ELECTRIC

ATT (Telephone)
Address: 2702 Wesley Street, Greenville, TX 75401
Contact: Mr. Chris Holmes
Phone: 903-457-2303

10) LANDLORD/DEVELOPER

\*CITY AND UTILITY PROVIDERS\*

) PLANNING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

2) ZONING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

City of Rockwall Building Department
Address: 385 S Gollad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972—772-6774

4) BUILDING DEPARTMENT City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

5) FIRE MARSHAL City of Rockwall Fire Department Address: 191 East Quail Run, Rockwall, TX 75087 Contact: Ms. Ariana Hargrove (Chief Fire Marshal)
Phone: 972-771-7774

City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

7) HEALTH DEPARTMENT KBK Food Safety Systems
Address: Address not required
Contact: Ms. Kelly Kirkpatrick
Phone: 214-202-1202

8) TRAFFIC ENGINEERING City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

9) SITE UTILITIES

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

iv) EROSION CONTROL City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

Atmos Energy
Address: No address needed
Contact: Ms. Dinah Wood
Phone: 972—485—6277

Oncor
Address: 1545 High Point Drive, Mesquite, TX 75149
Contact: Mr. Jason Escamilla
Phone: 972—216—8956

Dynamic Development
Address: 1725 21 st Street, Santa Monica, CA 90404
Contact: Mr. Dan Porter
Phone: 940—218—6684



The first of the state of the s 5200 Buffington Rd. Atlanta Georgia, 30349-2998

Revisions:

Mark Date By

Mark Date By

Mark Date By

A No

SHEET TITLE

ALTA/NSPS LAND TITLE **SURVEY** 

⊐Preliminary □80% Submittal □For Construction

: 17142 Job No. : <u>#04222</u> Store . 11/15/2017 Drawn By : MTJ

Checked By: GAM Sheet

PRELIMINARY FOR REVIEW PURPOSES ONLY THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY

PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT.

ALTA/NSPS LAND TITLE SURVEY

\*SURVEYOR'S STATEMENT\*

FIDELITY NATIONAL TITLE INSURANCE COMPANY:

DATE OF PLAT OR MAP: \_\_\_\_\_

GREGG A.E. MADSEN, R.P.L.S.

E-MAIL: GreggM**©**WierAssociates.com

STATE OF TEXAS No. 5798

NOT BE RECORDED."

WIER & ASSOCIATES, INC. PREPARED BY:

7(a), 7(b1), 8, 9, 11, 13, 16, 17, 20, AND 21 OF TABLE A THEREOF.

"THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE

AUTHORITY OF GREGG A.E. MADSEN, RPLS. NO. 5798 ON OCTOBER 10, 2017. IT IS

NOT TO BE USED FOR RECORDING, CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

THIS DOCUMENT IS NOT TO BE RELIED UPON AS A COMPLETE SURVEY AND SHALL

THE FIELDWORK WAS COMPLETE ON OCTOBER 19TH. 2017.

ENGINEERS SURVEYORS LAND PLANNERS 2201 E. LAMAR BLVD., SUITE 200E ARLINGTON, TEXAS 76006 METRO (817)467-7700 Texas Firm Registration No. F-2776 www.WierAssociates.com Texas Board of Professional Land Surveying Registration No. 10033900

TO CHICK-FIL-A, INC, A GEORGIA CORPORATION, JEY INVESTMENTS, E Z MART #77, AND

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH LAWS REGULATING SURVEYING IN THE STATE OF TEXAS, AND WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, INCLUDES ITEMS 1, 2, 3, 4, 5, 6(b),

#### CITY OF ROCKWALL

### ORDINANCE NO. <u>18-XX</u> SPECIFIC USE PERMIT NO. S-XXX

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, AMENDING THE UNIFIED DEVELOPMENT CODE OF THE CITY OF ROCKWALL, TEXAS, AS PREVIOUSLY AMENDED, SO AS TO GRANT A SPECIFIC USE PERMIT (SUP) TO ALLOW FOR A RESTAURANT WITH A DRIVE-THROUGH IN A GENERAL RETAIL (GR) DISTRICT, ON A 0.656-ACRE TRACT OF LAND BEING IDENTIFIED AS LOTS 1 & 2, BLOCK A, BILLY PEOPLES #1 ADDITION, CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS; PROVIDING FOR SPECIAL CONDITIONS; PROVIDING FOR A PENALTY OF FINE NOT TO EXCEED THE SUM OF TWO THOUSAND DOLLARS (\$2,000.00) FOR EACH OFFENSE; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR A REPEALER CLAUSE; PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the City has received a request from Randy Eardley, P.E. of Wier & Associates, Inc. on behalf of Getra Thomason-Saunders of Chick-Fil-A, Inc. for the approval of a Specific Use Permit (SUP) to allow for a restaurant, 2,000 SF or more with a drive-through, in a General Retail (GR) District on a 0.656-acre tract of land being described as a Lots 1 & 2, Block A, Billy Peoples #1 Addition, City of Rockwall, Rockwall County, Texas, zoned General Retail (GR) District, addressed as 1902 & 2000 S. Goliad Street [SH-205], and being more specifically depicted in Exhibit 'A' of this ordinance, which herein after shall be referred to as the Subject Property and incorporated reference herein; and

WHEREAS, the Planning and Zoning Commission of the City of Rockwall and the governing body of the City of Rockwall, in compliance with the laws of the State of Texas and the ordinances of the City of Rockwall, have given the requisite notices by publication and otherwise, and have held public hearings and afforded a full and fair hearing to all property owners generally, and to all persons interested in and situated in the affected area and in the vicinity thereof, the governing body in the exercise of its legislative discretion has concluded that the Unified Development Code [Ordinance No. 04-38] of the City of Rockwall should be amended as follows:

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Rockwall, Texas;

**SECTION 1.** That the Unified Development Code [*Ordinance No. 04-38*] of the City of Rockwall, as heretofore amended, be and the same is hereby amended so as to grant a Specific Use Permit (SUP) allowing a *restaurant, 2,000 SF or more with a drive-through* as stipulated by Section 1, *Land Use Schedule* of Article IV, *Permissible Uses*, of the Unified Development Code [*Ordinance No. 04-38*] on the *Subject Property*; and

**SECTION 2.** That the Specific Use Permit (SUP) shall be subject to the conditions set forth in Subsection 4.4, General Retail (GR) District, Section 4, Commercial Districts, of Article V, District Development Standards, of the Unified Development Code (UDC) as heretofore amended and as may be amended in the future, and shall be subject to the following:

#### 2.1 OPERATIONAL CONDITIONS

The following conditions pertain to the operation of a restaurant, 2,000 SF or more with a drive-

through on the Subject Property and conformance to these stipulations is required for continued operations:

- 1) The restaurant shall generally conform to the concept plan depicted in *Exhibit 'B'* and the concept building elevations depicted in *Exhibit 'C'* of this ordinance.
- 2) The developer is to construct a four (4)-foot wrought-iron fence adjacent to the property line to the southern and western property lines as depicted in *Exhibit 'B'* of this ordinance.
- 3) At the time of final plat, the developer shall submit a parking agreement indicating the location of the proposed 20 parking spaces on the adjacent property. This document will require the approval of the City Council and shall be filed with Rockwall County prior to the issuance of a Building Permit.

### 2.2 COMPLIANCE

Approval of this ordinance in accordance with Section 8.3, *Council Approval or Denial*, of Article II, *Authority and Administrative Procedures*, of the Unified Development Code (UDC) will require compliance to the following:

1) Upon obtaining a Certificate of Occupancy (CO), should any business or establishment operating under the guidelines of this ordinance fail to meet the minimum operational requirements set forth herein and outline in the Unified Development Code (UDC), the City Council may (after proper notice) initiate proceedings to revoke the Specific Use Permit (SUP) in accordance with Section 4.4.(3) of Article IV, Permissible Uses, of the Unified Development Code (UDC).

**SECTION 3.** That the official zoning map of the City be corrected to reflect the changes in zoning described herein.

**SECTION 4.** That all ordinances of the City of Rockwall in conflict with the provisions of this ordinance be, and the same are hereby repealed to the extent of that conflict.

**SECTION 5.** Any person, firm, or corporation violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction shall be punished by a penalty of fine not to exceed the sum of *TWO THOUSAND DOLLARS* (\$2,000.00) for each offence and each and every day such offense shall continue shall be deemed to constitute a separate offense.

**SECTION 6.** If any section or provision of this ordinance or the application of that section or provision to any person, firm, corporation, situation or circumstance is for any reason judged invalid, the adjudication shall not affect any other section or provision of this ordinance or the application of any other section or provision to any other person, firm, corporation, situation or circumstance, and the City Council declares that it would have adopted the valid portions and applications of the ordinance without the invalid parts and to this end the provisions of this ordinance shall remain in full force and effect.

**SECTION 7.** That this ordinance shall take effect immediately from and after its passage and the publication of the caption of said ordinance as the law in such cases provides;

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, THIS THE 5<sup>TH</sup> DAY OF MARCH, 2018.

	lim Druitt Movor	
	Jim Pruitt, <i>Mayor</i>	
ATTEST:		
Kristy Cole, City Secretary		

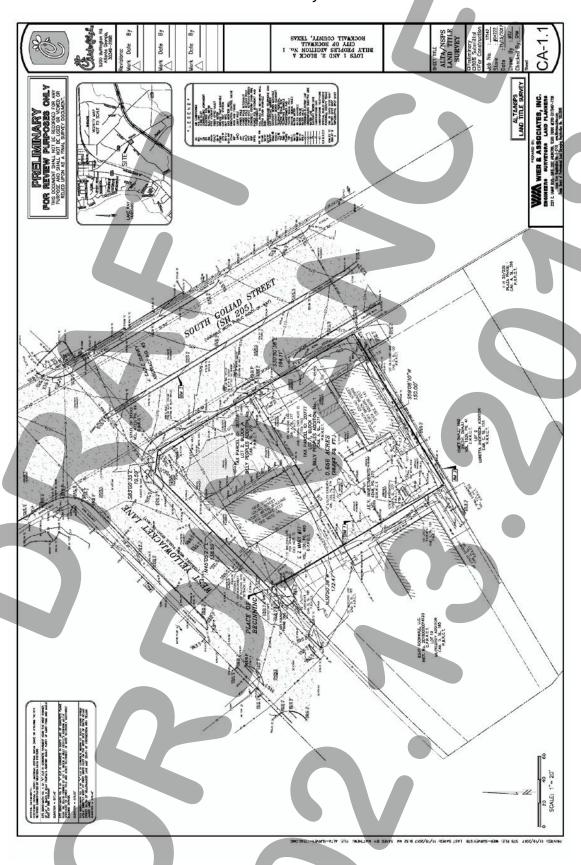
# **APPROVED AS TO FORM:**

Frank J. Garza, City Attorney

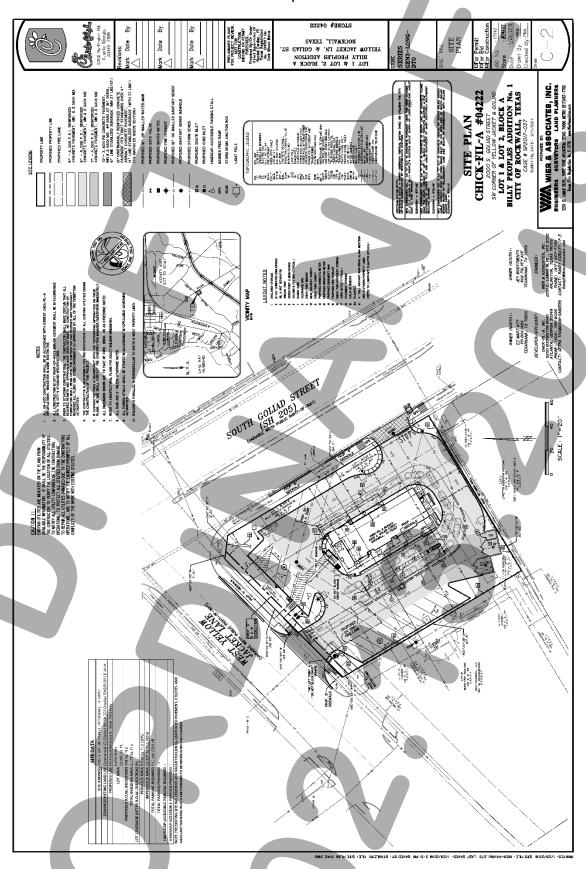
1<sup>st</sup> Reading: <u>February 19, 2018</u>

2<sup>nd</sup> Reading: March 5, 2018

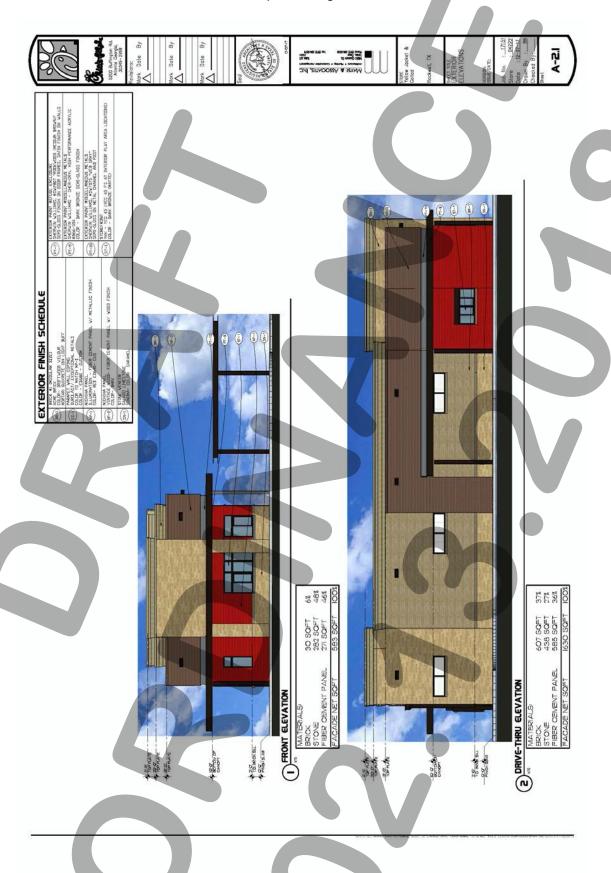
# Exhibit 'A': Survey



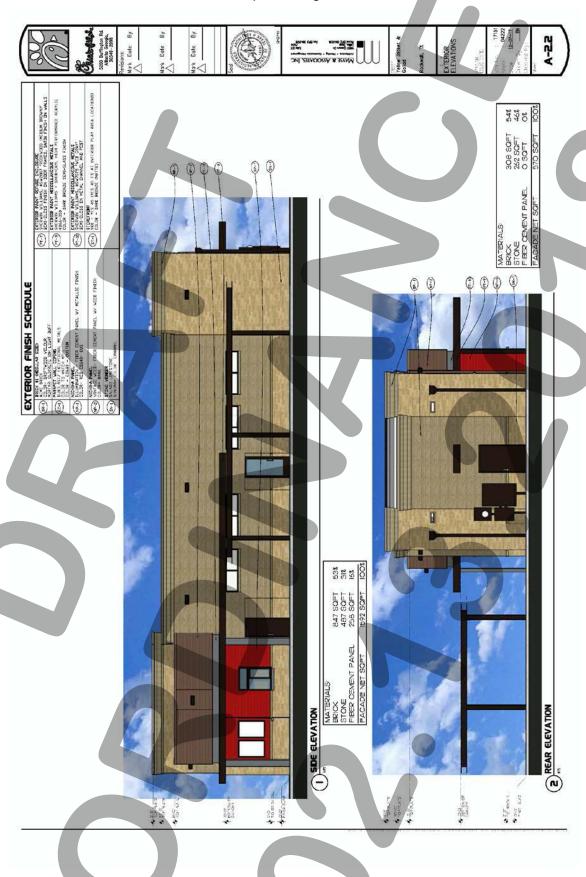
# Exhibit 'B': Concept Plan



# **Exhibit 'C':** Concept Building Elevations



**Exhibit 'C':** Concept Building Elevations



# CITY OF ROCKWALL CITY COUNCIL MEMO

**AGENDA DATE:** 02/19/2018

**APPLICANT:** Randy Eardley, P.E.; Weir & Associates

**AGENDA ITEM: Z2018-003**; SUP for Chick-Fil-A Drive-Through

#### **SUMMARY:**

Hold a public hearing to discuss and consider a request by Randy Eardley, P.E. of Wier & Associates, Inc. on behalf Getra Thomason-Saunders of Chick-Fil-A, Inc. for the approval of a Specific Use Permit (SUP) for a restaurant with a drive-through or drive-in on a 0.656-acre tract of land being identified as Lots 1 & 2, Block A, Billy Peoples #1 Addition, City of Rockwall, Rockwall County, Texas, zoned General Retail (GR) District, situated within the SH-205 Overlay (SH-205 OV) District, addressed as 1902 & 2000 S. Goliad Street [SH-205], and take any action necessary.

### PURPOSE AND CHARACTERISTICS OF THE REQUEST:

The applicant is requesting approval of a Specific Use Permit (SUP) for a *restaurant*, 2,000 SF or more, w/ drive-through [i.e. Chick-Fil-A]. The proposed restaurant will be ~2,200 SF, drive through only [i.e. no inside seating] with a walk-up window and five (5) outside tables. The restaurant will be situated on a 0.656-acre tract of land [i.e. Lots 1 & 2, Block A, Billy Peoples #1 Addition] that is zoned General Retail (GR) District, and is addressed as 1902 & 2000 S. Goliad Street [SH-205].

On December 12, 2017, the Planning and Zoning Commission approved a site plan [Case No. SP2017-037] for a restaurant with a drive-through on the subject property. Subsequently, the City Council approved variances associated with the approved site plan on December 18, 2017. After the approval of the site plan, staff recognized that the subject property was located in a General Retail (GR) District and would require a Specific Use Permit (SUP) for the drive-through facilities. Staff should note that although the approval of a Specific Use Permit (SUP) is discretionary to the Planning and Zoning Commission and the City Council, there currently exists several other restaurants with drive-throughs [e.g. Taco Casa, Braums, and Chicken Express] located adjacent to the subject property and are zoned General Retail (GR) District.

In December 2017, the applicant submitted a request for a Specific Use Permit (SUP) for a restaurant with a drive-through on the subject property under *Case No. Z2017-065*. On January 9, 2018, the Planning and Commission approved a motion to recommend approval of *Case No. Z2017-065*. Subsequently, on January 16, 2018, the City Council denied the request without prejudice to allow the applicant to address issues concerning traffic, parking, and cross-access. To address these issues, the applicant has submitted a revised the site plan that incorporates a four (4)-foot wrought-iron fence adjacent to the south and west property lines. Additionally, the applicant has indicated that they are working with the neighboring properties to obtain a parking agreement for 20 spaces for employee parking. This means that all parking spaces on the site plan will be dedicated to customer parking. The parking agreement is in its final stages and the applicant will submit once it is finalized. At the time of this report, the applicant had not submitted the traffic impact analysis (TIA), however, they have stated that it is being finalized and will be provided prior to the public hearing on February 13, 2018. Staff will review the traffic impact analysis (TIA) and provide a report to the Planning and Zoning

Commission at the public hearing on February 13, 2018. Staff has incorporated these as operational conditions in the attached draft ordinance and these items will have to be satisfied prior to the issuance of a building permit.

### **ADJACENT LAND USES AND ACCESS:**

The land uses adjacent to the subject property are all follows:

North: North of the subject property is Yellow Jacket Lane, which is identified as an M4D

(major collector, 4-lane, divided roadway) on the City's Master Thoroughfare Plan. Beyond this are two (2) restaurants with drive-throughs [i.e. Braums and Chicken

Express]. This area is zoned General Retail (GR) District.

South: South of the subject property is a restaurant [i.e. Luigi's]. Beyond this is a parking

lot for a shopping center and a restaurant with a drive-through. This area is zoned

General Retail (GR) District.

East: East of the subject property is Goliad Street [SH-205], which is identified as a P6D

(*principal arterial, 6-lane, divided highway*) on the City's Master Thoroughfare Plan. Beyond this is a retail strip center with several retail business as well as a florist [i.e.

Sabrina's Flowers]. This area is zoned Commercial (C) District.

West: West of the subject property is an office building [i.e. Texas Department of Family

and Protective Services]. Beyond this is a car wash [i.e. Auto Clean]. This area is

zoned General Retail (GR) District.

#### **NOTIFICATION:**

On February 1, 2018, staff sent 39 notices to property owners and residents within 500-feet of the subject property. There are no Neighborhood Associations/HOA's located within 1,500-feet of the subject property participating the Neighborhood Notification Program. Additionally, staff posted a sign on the subject property as required by the UDC. At the time this report was drafted, staff had received any notices concerning this case.

<u>NOTE</u>: The Waterstone Estates HOA does not have contact information in neighborhood notification list.

#### **RECOMMENDATIONS:**

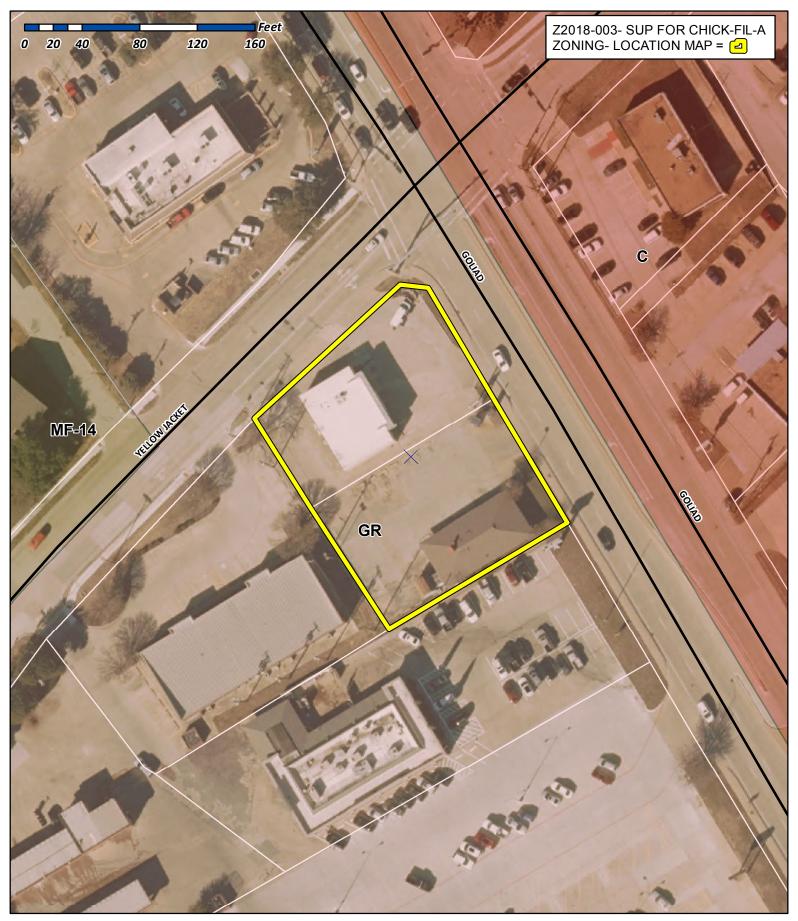
Should the Planning and Zoning Commission choose to recommend approval of the applicant's request then staff would recommend the following conditions of approval:

- 1) All comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of a building permit;
- 2) The restaurant shall generally conform to the concept plan depicted in *Exhibit 'B'* and the concept building elevations depicted in *Exhibit 'C'* of the SUP ordinance.
- 3) The developer is to construct a four (4)-foot wrought-iron fence adjacent to the property line to the southern and western property lines as depicted in *Exhibit 'B'* of the SUP ordinance.
- 4) At the time of final plat, the developer shall submit a parking agreement indicating the location of the proposed 20 parking spaces on the adjacent property. This document will be required to be approved by the City Council and shall be filed with Rockwall County prior to the issuance of a Building Permit.
- 5) Any construction or building necessary to complete this Site Plan request must conform to

the requirements set forth by the UDC, the International Building Code, the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

### **PLANNING AND ZONING COMMISSION:**

On February 13, 2018, the Planning and Zoning Commission's motion to recommend denial of the Specific Use Permit (SUP) with staff recommendations passed by a vote of 4-1 with Commissioner Trowbridge dissenting and Commissioners Fishman and Chodun absent.





# City of Rockwall Planning & Zoning Department 385 S. Goliad Street

Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75032 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.

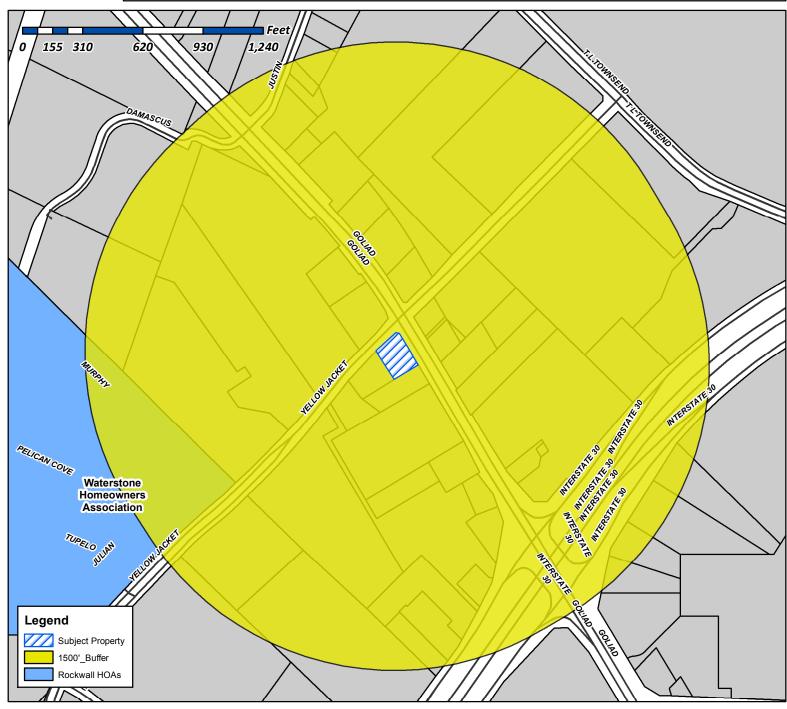




# **City of Rockwall**

Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Case Number: Z2018-003

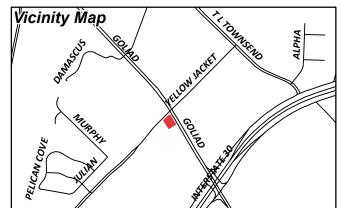
Case Name: SUP for Chick-Fil-A

Case Type: Zoning

Zoning: General Retail (GR) District Case Address: 1902 & 2000 S. Goliad Street

Date Created: 01/18/2018

For Questions on this Case Call (972) 771-7745

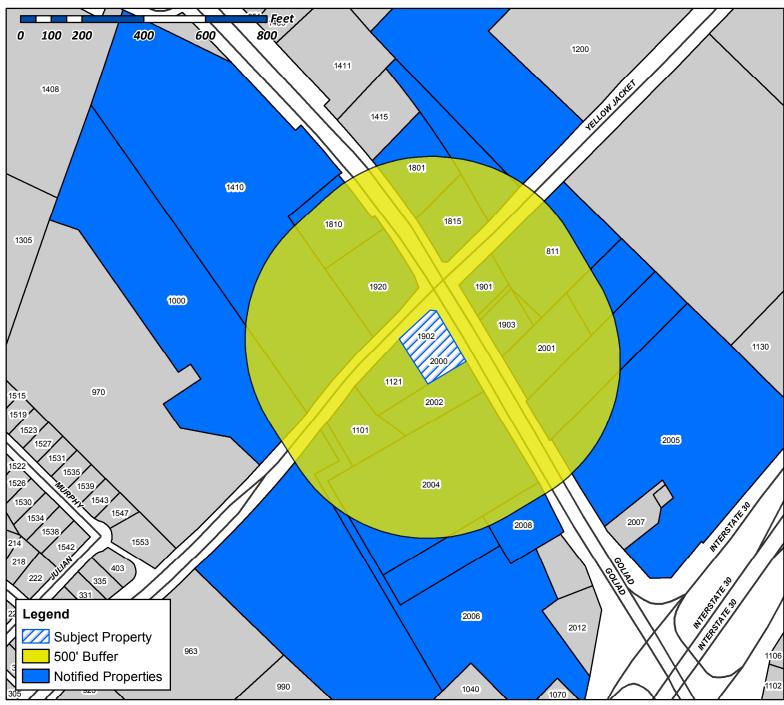




# City of Rockwall

Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (P): (972) 771-7745 (W): www.rockwall.com The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Case Number: Z2018-003

Case Name: SUP for Chick-Fil-A

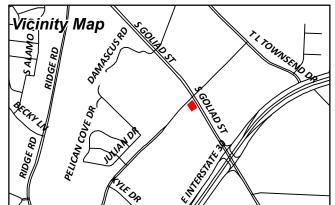
Case Type: Zoning

Zoning: General Retail (GR) District

Case Address: 1902 & 2000 South Goliad Street

Date Created: 01/18/2018

For Questions on this Case Call (972) 771-7745



1000 YELLOW JACKET LN ROCKWALL, TX 75087	CURRENT RESIDENT 1101 YELLOW JACKET LN ROCKWALL, TX 75087	1121 YELLOW JACKET LN ROCKWALL, TX 75087
FIRST UNITED METHODIST CHURCH FINANCE OFFICE 1200 E YELLOW JACKET LN ROCKWALL, TX 75087	B5HP ROCKWALL LLC 1300 E HWY 199 SPRINGTOWN, TX 76082	WDC PEBBLEBROOK APARTMENTS LLC 13400 BISHOP'S LANE SUITE 270 BROOKFIELD, WI 53005
CURRENT RESIDENT	SMAJLI ISMET & DYLDYL	PRITCHARD DONNA CULLINS
1410 S GOLIAD	1422 MURPHY DR	1610 SHORES BLVD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
ROCKWALL CENTRAL S/C II LTD	CURRENT RESIDENT	LONE STAR CHICKEN LP
16475 DALLAS PARKWAY SUITE 800	1801 S GOLIAD	1810 S GOLIAD ST
ADDISON, TX 75001	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
1815 S GOLIAD	1901 S GOLIAD	1902 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	UHLIG JANET KAY & JEFFERY DAVID JOLLEY 1903 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 1920 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT 2000 S GOLIAD ROCKWALL, TX 75087	ROCKWALL VET CLINIC C/O JOE LOFTIS 2001 S GOLIAD ST ROCKWALL, TX 75087	CURRENT RESIDENT 2002 S GOLIAD ROCKWALL, TX 75087
CURRENT RESIDENT	CURRENT RESIDENT	CURRENT RESIDENT
2004 S GOLIAD	2005 S GOLIAD	2006 S GOLIAD
ROCKWALL, TX 75087	ROCKWALL, TX 75087	ROCKWALL, TX 75087
CURRENT RESIDENT	LANDLOW LLC	COOPER RESIDENTIAL LLC
2008 S GOLIAD	2070 PONTCHARTRAIN	2560 TECHNOLOGY DRIVE SUITE 100
ROCKWALL, TX 75087	ROCKWALL, TX 75087	PLANO, TX 75074
RETAIL BUILDERS INC 3000 NE 63RD ST	RACETRAC PETROLEUM INC 3225 CUMBERLAND BLVD SE STE 100	ROCK HOB LP 3305 BUCHANAN ST

ATLANTA, GA 30339

**CURRENT RESIDENT** 

**CURRENT RESIDENT** 

WICHITA FALLS, TX 76308

**CURRENT RESIDENT** 

OKLAHOMA CITY, OK 73121

ROCK HOB LP 3305 BUCHANAN ST WICHITA FALLS, TX 76308 WDOP SUB I LP C/O THE MILESTONE GROUP LLC 5429 LBJ FREEWAY SUITE 800 DALLAS, TX 75240

JEY INVESTMENTS 602 FALVEY AVE TEXARKANA, TX 75501

RHOADS RHOADS AND COX 6905 ELLSWORTH AVE DALLAS, TX 75214 CARSON MARK R 701 N MUNSON RD ROYSE CITY, TX 75189 CURRENT RESIDENT 811 YELLOW JACKET ROCKWALL, TX 75087

E Z MART #77 PO BOX 1426 TEXARKANA, TX 75504 ROCKWALL ICE CREAM HOLDINGS LLC PO BOX 852 WAXAHACHIE, TX 75168 BOOMPA LTD PO BOX 999 ROCKWALL, TX 75087



Jan. 22, 2018

The Honorable Mayor Jim Pruitt City of Rockwall Rockwall Texas

RE: 1902 S. Goliad, Rockwall, Texas 75087

Dear Mr. Mayor,

My firm, Dynamic Development Company (Dynamic), controls the property at the southwest corner of Goliad and Yellow Jacket in Rockwall. Dynamic is a leading single and multi-tenant retail development company with more than 50 years experience and offices in Santa Monica, Calif., Las Vegas and Dallas.

We primarily develop retail and mixed-use projects and work with national, regional and local retailers to create high-quality real estate development projects throughout the Southwest.

One of our strategic development partners, with which we have completed numerous restaurants, is Chick-Fil-A ("CFA"). At 1902 S. Goliad in Rockwall, our intent is to sell this property to CFA so they may construct a limited-service, drive-through-only restaurant.

As you may know, CFA is very successful on the south-west side of Rockwall, and this restaurant should provide Rockwall with another high-quality CFA, while relieving some of the demand on the existing restaurant. In addition, our Company is developing the former Johnny Carino's property at 819 E I-30 frontage road in Rockwall. We also are building a multi-tenant small shopping center and are proud to have Jason's Deli and Sleep Number as our anchor tenants there. That project should be completed by Fall of this year.

We were surprised and disappointed to see Mr. Mario Smajli stir up opposition to a CFA restaurant. I have been in the retail/food-service real estate development for more than 30 years and note that it is rare for there to be opposition to a CFA by a city or community. It just doesn't happen.

That is why I believe it is important that you and city council understand the events of last summer which potentially led to Mr. Smajli's actions and rhetoric at the Jan. 16 public hearing and the story behind his intent to block this new restaurant development. Here are the facts:

 During the summer of 2017, Mr. Smajli and I negotiated for several months his purchase of the subject property. I have written documentation of months of purchase offers and counter offers between Mr. Smajli and myself. He had every opportunity to purchase 1902 S. Goliad St. When he could not meet my asking price, I even offered to lease the property to Mr Smajli, but he would not lease. He insisted on only buying the property so he could build a restaurant on it;



the same development Chick-Fil-A intends. I considered all his purchase offers, just as I do with other retailers. Unfortunately, Mr. Smajli's offers were <u>all well below</u> our asking price.

- Mr. Smajli had every opportunity to buy this property by meeting or exceeding the competitive offers that Dynamic had received. Mr. Smajli was simply unwilling to meet the asking sales price or meet the competitive offers that we had in hand.
- Mr. Smalji offers also indicated he was a "contingent buyer" requiring financing to close on the sale.
- Mr. Smajli indicated he was upset that he was unsuccessful in acquiring the subject property for the development of a new restaurant and has now turned to the City to block the CFA restaurant-related development that happens to be adjacent to his existing property.

I have reviewed the video of Mr. Smalji's testimony at the Jan. 16 city council meeting and believe he demonstrated he has an axe to grind over this proposed development. It appears Mr. Smajli is upset he was not able to come to terms with me and my company on lease or purchase terms for the subject property.

Common sense would indicate Mr. Smajli is concerned that another restaurant may out-position his Luigi's restaurant and create more competition. As you know, competition is good for Rockwall consumers, the free marketplace and for tax revenues. It's likely Mr. Smajli is responsible for recruiting the adjacent property and business owner and several residents to show up and voice opposition to this development project. While this is his prerogative, it is not in the best interest of the community there.

Chick-Fil-A is a leader in the quick-service restaurant industry and a pillar in the communities it serves. It is CFA's intent to design and build an attractive restaurant to serve the residents of the community, greatly improve the appearance of this blighted corner, and deliver maximum tax revenues for the people and the City of Rockwall. This CFA development would:

- provide numerous job opportunities
- create another attractive corner on Hwy 205 Goliad St. in Rockwall
- contribute sales tax revenue for the city, given CFA averages well above the industry average in restaurant sales annually
- add to the city's infrastructure of new assets meeting city guidelines and requirements
- be a catalyst for economic development as CFA attracts other restaurants and stores

I understand Chick-Fil-A has re-applied for approval. We sincerely hope that you as the Mayor and the Rockwall City Council understand what is behind Mr. Smajli's opposition and will review CFA's re-



application favorably. We firmly believe that doing so is the right thing for the residents, community and City of Rockwall.

Thank you for your time and consideration.

Best regards,

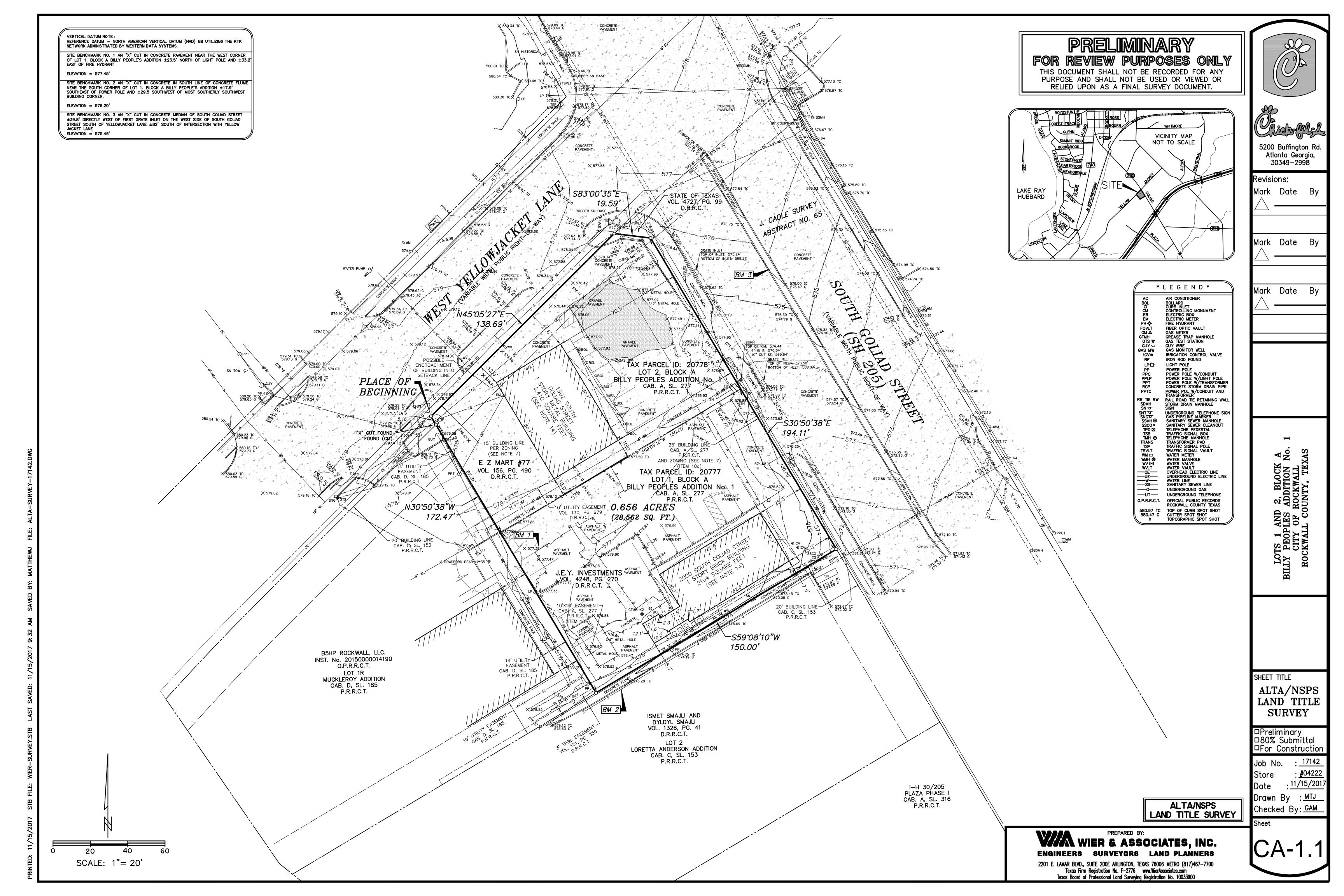
Daniel J. Porter, Vice President Dynamic Development Company

214-662-5167 Dan.porter@dynamicdevco.com

C.C.:

**City Council Members** 

Mr. Ryan Miller



## <u>\*FIELD NOTES\*</u>

TRACT 1:

BEING A TRACT OF LAND LOCATED IN THE J. CADLE SURVEY, ABSTRACT No. 65, ROCKWALL COUNTY, TEXAS, ALL OF LOT 1 AND A PORTION OF 2, BILLY PEOPLE'S ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET A, SLIDE 277, PLAT RECORDS, ROCKWALL COUNTY, TEXAS (P.R.R.C.T.) AND BEING MORE

BEGINNING AT A POINT IN THE SOUTHEAST LINE OF WEST YELLOWJACKET LANE, (A VARIABLE WIDTH RIGHT-OF-WAY), SAID POINT BEING THE WEST CORNER OF SAID LOT 2; THENCE N 45'05'27" E, ALONG THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE AND THE NORTHWEST LINE OF SAID LOT 2, A DISTANCE OF 138.69 FEET TO A POINT, BEING THE WEST END OF A RIGHT-OF-WAY CORNER CLIP AT THE INTERSECTION OF THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID WEST YELLOWJACKET LANE WITH THE SOUTHWEST RIGHT-OF-WAY LINE OF SOUTH GOLIAD STREET (A VARIABLE WIDTH RIGHT-OF-WAY);

THENCE S 83'00'35" E, ALONG SAID RIGHT-OF-WAY CLIP, A DISTANCE OF 19.59 FEET TO A POINT IN THE SOUTHWEST RIGHT-OF-WAY LINE OF SAID SOUTH GOLIAD STREET, AND THE NORTHEAST LINE OF SAID LOT 2, SAID POINT BEING THE EAST END OF SAID RIGHT-OF-WAY CLIP;

THENCE S 30'50'38" E, ALONG THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET AND THE NORTHEAST LINE OF SAID LOT 2, AT A DISTANCE OF 94.11 FEET, PASSING THE EAST CORNER OF SAID LOT 2 AND THE NORTH CORNER OF SAID LOT 1, CONTINUING ALONG THE NORTHEAST LINE OF SAID LOT 1, IN ALL A TOTAL DISTANCE OF 194.11 FEET TO A POINT BEING THE EAST CORNER OF SAID LOT 1 AND THE NORTH CORNER OF LOT 2, LORETTA ANDERSON ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET C, SLIDE 153, P.R.R.C.T.;

THENCE S 59'08'10" W, DEPARTING THE SOUTHWEST RIGHT—OF—WAY LINE OF SAID SOUTH GOLIAD STREET, ALONG THE SOUTHEAST LINE OF SAID LOT 1 AND THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, A DISTANCE OF 150.00 FEET TO A POINT, BEING THE SOUTH CORNER OF SAID LOT 1 AND THE EAST CORNER OF LOT 1R MUCKLEROY ADDITION, AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, AS SHOWN ON THE PLAT RECORDED IN CABINET D, SLIDE 185, P.R.R.C.T.;

THENCE N 30'50'38" W, DEPARTING THE NORTHWEST LINE OF SAID LOT 2 LORETTA ANDERSON ADDITION, ALONG THE SOUTHWEST LINE OF SAID LOT 1 AND THE NORTHEAST LINE OF SAID LOT 1R, AT A DISTANCE OF 100.00 FEET, PASSING THE WEST CORNER OF SAID LOT 1 AND THE SOUTH CORNER OF SAID LOT 2, BLOCK A, AT A DISTANCE OF 167.31 FEET, PASSING AN "X" CUT FOUND BEING THE NORTH CORNER OF SAID LOT 1R, CONTINUING IN ALL A TOTAL DISTANCE OF 172.47 FEET TO THE PLACE OF BEGINNING AND CONTAINING 0.656 ACRES (28,562 SQUARE FEET) OF LAND, MORE OR LESS.

# \*TITLE NOTES\*

THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017

- 10d. THE 25' BUILDING SETBACK LINE SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10e. THE UNIDENTIFIED 10'X10' EASEMENT SHOWN ON THE PLAT RECORDED IN CAB. A, SL. 277, P.R.R.C.T., IS LOCATED ON THE SUBJECT TRACT, AND IS SHOWN HEREON.
- 10f. THE EASEMENT RECORDED IN VOL. 65, PG. 50, D.R.R.C.T., IS NOT LOCATED ON THE SUBJECT TRACT.
- 10g. THE SUBJECT TRACT IS A PORTION OF THE LANDS DESCRIBED IN THE DEED RECORDED IN VOL. 46, PG. 41, D.R.R.C.T.

\*SURVEYOR'S NOTES\*

ACCORDING TO SURVEYOR'S INTERPRETATION OF INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) "FLOOD INSURANCE RATE MAP" (FIRM), MAP No. 48397C0040L, MAP REVISED SEPTEMBER 26, 2008, ALL OF THE SUBJECT TRACT LIES WITHIN ZONE "X", DEFINED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, FEDERAL INSURANCE ADMINISTRATION, OR THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS BEING "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN."

2. THE ABOVE REFERENCED "FIRM" MAP IS FOR USE IN ADMINISTERING THE "NFIP"; IT DOES NOT NECESSARILY SHOW ALL AREAS SUBJECT TO FLOODING, PARTICULARLY FROM LOCAL SOURCES OF SMALL SIZE, WHICH COULD BE FLOODED BY SEVERE, CONCENTRATED RAINFALL COUPLED WITH INADEQUATE LOCAL DRAINAGE SYSTEMS. THERE MAY BE OTHER STREAMS, CREEKS, LOW AREAS, DRAINAGE SYSTEMS OR OTHER SURFACE OR SUBSURFACE CONDITIONS EXISTING ON OR NEAR THE SUBJECT PROPERTY WHICH ARE NOT STUDIED OR ADDRESSED AS PART OF THE "NFIP".

I. THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION MARKED BY UTILITY LOCATORS, VISIBLE IMPROVEMENTS AND/OR EXISTING DRAWINGS. THIS SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THIS SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN HEREON ARE IN THE EXACT LOCATION INDICATED. THIS SURVEYOR HAS NOT PHYSICALLY LOCATED OR DESIGNATED THE UNDERGROUND UTILITIES.

4. ALL BEARINGS SHOWN HEREON ARE CORRELATED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE 4202, NAD OF 1983, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS. 5. THIS SURVEY WAS PREPARED WITH BENEFIT OF A COPY OF COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE

INSURANCE COMPANY, GF. No. 4715001926, EFFECTIVE DATE SEPTEMBER 6, 2017, ISSUED DATE SEPTEMBER 19, 2017. S. THE SUBJECT TRACT CONTAINS STRIPED PARKING SPACES, HOWEVER, AT THE TIME OF THE SURVEY, MANY STRIPES HAVE BECOME TOO OLD AND/OR DESTROYED AND FOR AN ACCURATE COUNT.

7. ACCORDING TO DEVELOPMENT INVESTIGATION REPORT PREPARED FOR CHICK-FIL-A, INC., PREPARED BY SITE DEVELOPMENT, INC., PROJECT No 04222, DATED OCTOBER, 10, 2017, THE SUBJECT TRACT IS ZONED "GR", GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY. SEE ZONING

8. ALL MATTERS SHOWN ON RECORDED PLAT PROVIDED TO THE SURVEYOR ARE SHOWN ON THE SURVEY.

9. AT THE TIME OF THE SURVEY, THERE WAS NO EVIDENCE OF CURRENT EARTH MOVING WORK OBSERVED IN THE PROCESS OF CONDUCTING THE

10. AT THE TIME OF THE SURVEY, SURVEYOR WAS NOT AWARE OF ANY PROPOSED CHANGES IN STREET RIGHT—OF—WAY. THERE WAS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.

11. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL. 12. THE SUBJECT TRACT HAS ACCESS TO SOUTH GOLIAD STREET ALONG THE SOUTHEAST LINE AND EAST YELLOWJACKET LANE ALONG THE NORTH LINE.

13. PROFESSIONAL LIABILITY INSURANCE POLICY OBTAINED BY THE SURVEYOR IN THE MINIMUM AMOUNT OF \$2,000,000 TO BE IN EFFECT THROUGHOUT CONTRACT TERM. CERTIFICATE OF INSURANCE TO BE FURNISHED UPON REQUEST.

14. THE SQUARE FOOTAGE OF THE BUILDING IS BASED ON THE EXTERIOR DIMENSIONS AS MEASURED AT GROUND LEVEL.

ZONING INFORMATION: THE SUBJECT TRACT IS CURRENTLY ZONED "GR" GENERAL RETAIL, WITH STATE HIGHWAY 205 OVERLAY ADJACENT PROPERTIES ARE ZONED: Front (NW): GR W Yellow Jacket Lane Left Side (NE): GR S Goliad Street Right Side (SW) | GR Commercial

Rear (SE): GR Restaurant MINIMUM LOT WIDTH IS N/A MINIMUM LOT DEPTH IS N/A MAXIMUM FLOOR AREA N/A

Right Side ( ( Commercial )

MAXIMUM BUILDING HEIGHT IS 30 FEET. BUILDING SETBACKS ARE: Front: (W Yellow Jacket Ln ) 15' Front: (S Goliad Street) 25' (per SH 205 Overlay)

LANDSCAPE SETBACKS ARE Front: (W Yellow Jacket Ln) 10' Left Side: (S Goliad Street) 20' Right Side: (Commercial) Rear: (Restaurant)

THE PARKING FORMULA FOR MINIMUM REQUIREMENTS: one (1) space per each 100 square feet of gross floor area.

POLE SIGNS ARE NOT PERMITTED

vi) ELECTRIC

ATT (Telephone)
Address: 2702 Wesley Street, Greenville, TX 75401
Contact: Mr. Chris Holmes
Phone: 903-457-2303

Dynamic Development
Address: 1725 21 st Street, Santa Monica, CA 90404
Contact: Mr. Dan Porter
Phone: 940—218—6684

\*CITY AND UTILITY PROVIDERS\*

2) ZONING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

City of Rockwall Building Department
Address: 385 S Gollad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972—772-6774

4) BUILDING DEPARTMENT City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

Contact: Ms. Ariana Hargrove (Chief Fire Marshal)
Phone: 972-771-7774

City of Rockwall Building Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. John Ankrum
Phone: 972-772-6774

7) HEALTH DEPARTMENT KBK Food Safety Systems
Address: Address not required
Contact: Ms. Kelly Kirkpatrick
Phone: 214-202-1202

8) TRAFFIC ENGINEERING

9) SITE UTILITIES

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

10) LANDLORD/DEVELOPER

) PLANNING DEPARTMENT City of Rockwall Planning & Zoning Department
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Mr. Ryan Miller
Phone: 972-772-6441

5) FIRE MARSHAL City of Rockwall Fire Department Address: 191 East Quail Run, Rockwall, TX 75087

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

iv) EROSION CONTROL City of Rockwall Public Works
Address: 385 S Goliad Street, Rockwall, TX 75087
Contact: Ms. Amy Williams
Phone: 972-771-7746

Atmos Energy
Address: No address needed
Contact: Ms. Dinah Wood
Phone: 972—485—6277

Oncor
Address: 1545 High Point Drive, Mesquite, TX 75149
Contact: Mr. Jason Escamilla
Phone: 972—216—8956

A No

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5200 Buffington Rd.

Atlanta Georgia,

30349-2998

Mark Date By

Mark Date By

Mark Date By

Revisions:

SHEET TITLE

ALTA/NSPS LAND TITLE **SURVEY** 

⊐Preliminary □80% Submittal □For Construction

: 17142 Job No. : <u>#04222</u> Store . 11/15/2017 Drawn By : MTJ

Checked By: GAM Sheet

PRELIMINARY FOR REVIEW PURPOSES ONLY

THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT.

> ALTA/NSPS LAND TITLE SURVEY

GREGG A.E. MADSEN, R.P.L.S. STATE OF TEXAS No. 5798 E-MAIL: GreggM**©**WierAssociates.com

DATE OF PLAT OR MAP: \_\_\_\_\_

NOT BE RECORDED."

\*SURVEYOR'S STATEMENT\*

7(a), 7(b1), 8, 9, 11, 13, 16, 17, 20, AND 21 OF TABLE A THEREOF.

"THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE

AUTHORITY OF GREGG A.E. MADSEN, RPLS. NO. 5798 ON OCTOBER 10, 2017. IT IS

NOT TO BE USED FOR RECORDING, CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

THIS DOCUMENT IS NOT TO BE RELIED UPON AS A COMPLETE SURVEY AND SHALL

THE FIELDWORK WAS COMPLETE ON OCTOBER 19TH. 2017.

FIDELITY NATIONAL TITLE INSURANCE COMPANY:

WIER & ASSOCIATES, INC. PREPARED BY: ENGINEERS SURVEYORS LAND PLANNERS

TO CHICK-FIL-A, INC, A GEORGIA CORPORATION, JEY INVESTMENTS, E Z MART #77, AND

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH LAWS REGULATING SURVEYING IN THE STATE OF TEXAS, AND WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, INCLUDES ITEMS 1, 2, 3, 4, 5, 6(b),

> 2201 E. LAMAR BLVD., SUITE 200E ARLINGTON, TEXAS 76006 METRO (817)467-7700 Texas Firm Registration No. F-2776 www.WierAssociates.com Texas Board of Professional Land Surveying Registration No. 10033900

#### CITY OF ROCKWALL

### ORDINANCE NO. <u>18-XX</u> SPECIFIC USE PERMIT NO. S-XXX

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, AMENDING THE UNIFIED DEVELOPMENT CODE OF THE CITY OF ROCKWALL, TEXAS, AS PREVIOUSLY AMENDED, SO AS TO GRANT A SPECIFIC USE PERMIT (SUP) TO ALLOW FOR A RESTAURANT WITH A DRIVE-THROUGH IN A GENERAL RETAIL (GR) DISTRICT, ON A 0.656-ACRE TRACT OF LAND BEING IDENTIFIED AS LOTS 1 & 2, BLOCK A, BILLY PEOPLES #1 ADDITION, CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS; PROVIDING FOR SPECIAL CONDITIONS; PROVIDING FOR A PENALTY OF FINE NOT TO EXCEED THE SUM OF TWO THOUSAND DOLLARS (\$2,000.00) FOR EACH OFFENSE; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR A REPEALER CLAUSE; PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the City has received a request from Randy Eardley, P.E. of Wier & Associates, Inc. on behalf of Getra Thomason-Saunders of Chick-Fil-A, Inc. for the approval of a Specific Use Permit (SUP) to allow for a restaurant, 2,000 SF or more with a drive-through, in a General Retail (GR) District on a 0.656-acre tract of land being described as a Lots 1 & 2, Block A, Billy Peoples #1 Addition, City of Rockwall, Rockwall County, Texas, zoned General Retail (GR) District, addressed as 1902 & 2000 S. Goliad Street [SH-205], and being more specifically depicted in Exhibit 'A' of this ordinance, which herein after shall be referred to as the Subject Property and incorporated reference herein; and

WHEREAS, the Planning and Zoning Commission of the City of Rockwall and the governing body of the City of Rockwall, in compliance with the laws of the State of Texas and the ordinances of the City of Rockwall, have given the requisite notices by publication and otherwise, and have held public hearings and afforded a full and fair hearing to all property owners generally, and to all persons interested in and situated in the affected area and in the vicinity thereof, the governing body in the exercise of its legislative discretion has concluded that the Unified Development Code [Ordinance No. 04-38] of the City of Rockwall should be amended as follows:

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Rockwall, Texas;

**SECTION 1.** That the Unified Development Code [*Ordinance No. 04-38*] of the City of Rockwall, as heretofore amended, be and the same is hereby amended so as to grant a Specific Use Permit (SUP) allowing a *restaurant, 2,000 SF or more with a drive-through* as stipulated by Section 1, *Land Use Schedule* of Article IV, *Permissible Uses*, of the Unified Development Code [*Ordinance No. 04-38*] on the *Subject Property*; and

**SECTION 2.** That the Specific Use Permit (SUP) shall be subject to the conditions set forth in Subsection 4.4, General Retail (GR) District, Section 4, Commercial Districts, of Article V, District Development Standards, of the Unified Development Code (UDC) as heretofore amended and as may be amended in the future, and shall be subject to the following:

#### 2.1 OPERATIONAL CONDITIONS

The following conditions pertain to the operation of a restaurant, 2,000 SF or more with a drive-

through on the Subject Property and conformance to these stipulations is required for continued operations:

- 1) The restaurant shall generally conform to the concept plan depicted in *Exhibit 'B'* and the concept building elevations depicted in *Exhibit 'C'* of this ordinance.
- 2) The developer is to construct a four (4)-foot wrought-iron fence adjacent to the property line to the southern and western property lines as depicted in *Exhibit 'B'* of this ordinance.
- 3) At the time of final plat, the developer shall submit a parking agreement indicating the location of the proposed 20 parking spaces on the adjacent property. This document will require the approval of the City Council and shall be filed with Rockwall County prior to the issuance of a Building Permit.

### 2.2 COMPLIANCE

Approval of this ordinance in accordance with Section 8.3, *Council Approval or Denial*, of Article II, *Authority and Administrative Procedures*, of the Unified Development Code (UDC) will require compliance to the following:

1) Upon obtaining a Certificate of Occupancy (CO), should any business or establishment operating under the guidelines of this ordinance fail to meet the minimum operational requirements set forth herein and outline in the Unified Development Code (UDC), the City Council may (after proper notice) initiate proceedings to revoke the Specific Use Permit (SUP) in accordance with Section 4.4.(3) of Article IV, Permissible Uses, of the Unified Development Code (UDC).

**SECTION 3.** That the official zoning map of the City be corrected to reflect the changes in zoning described herein.

**SECTION 4.** That all ordinances of the City of Rockwall in conflict with the provisions of this ordinance be, and the same are hereby repealed to the extent of that conflict.

**SECTION 5.** Any person, firm, or corporation violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and upon conviction shall be punished by a penalty of fine not to exceed the sum of *TWO THOUSAND DOLLARS* (\$2,000.00) for each offence and each and every day such offense shall continue shall be deemed to constitute a separate offense.

**SECTION 6.** If any section or provision of this ordinance or the application of that section or provision to any person, firm, corporation, situation or circumstance is for any reason judged invalid, the adjudication shall not affect any other section or provision of this ordinance or the application of any other section or provision to any other person, firm, corporation, situation or circumstance, and the City Council declares that it would have adopted the valid portions and applications of the ordinance without the invalid parts and to this end the provisions of this ordinance shall remain in full force and effect.

**SECTION 7.** That this ordinance shall take effect immediately from and after its passage and the publication of the caption of said ordinance as the law in such cases provides;

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, THIS THE 5<sup>TH</sup> DAY OF MARCH, 2018.

	lim Druitt Movor	
	Jim Pruitt, <i>Mayor</i>	
ATTEST:		
Kristy Cole, City Secretary		

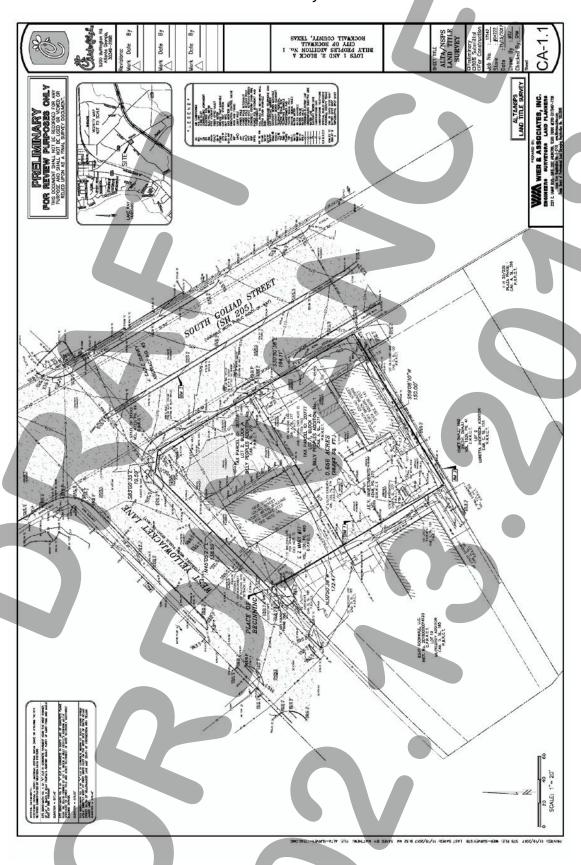
# **APPROVED AS TO FORM:**

Frank J. Garza, City Attorney

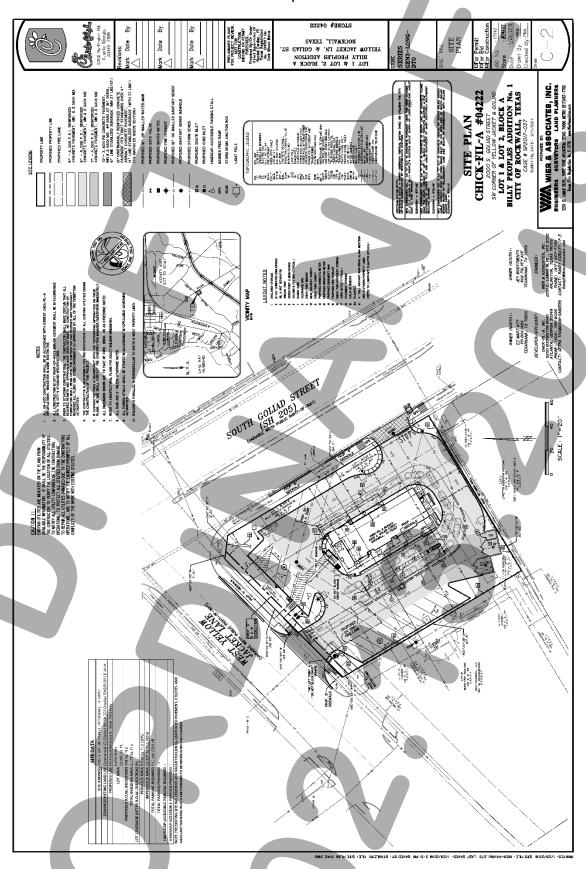
1<sup>st</sup> Reading: <u>February 19, 2018</u>

2<sup>nd</sup> Reading: March 5, 2018

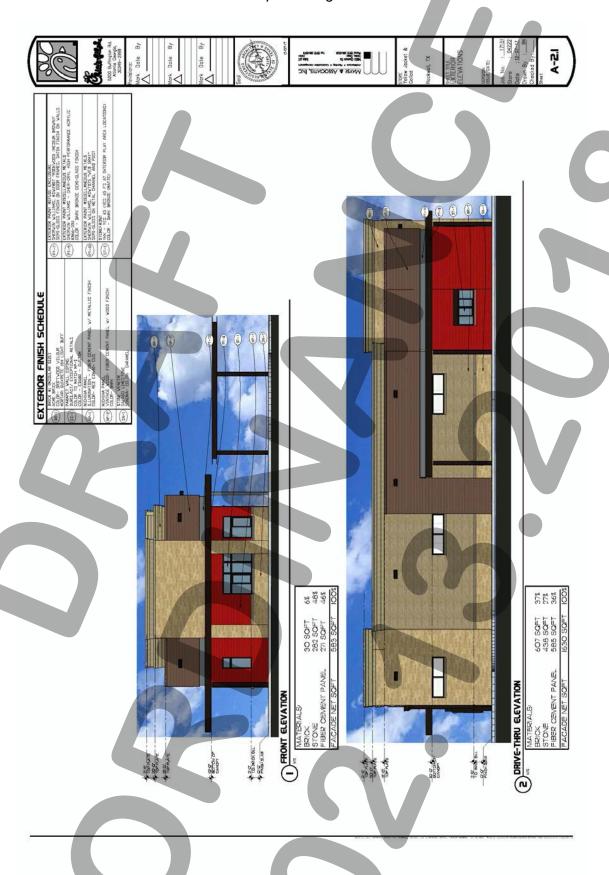
# Exhibit 'A': Survey



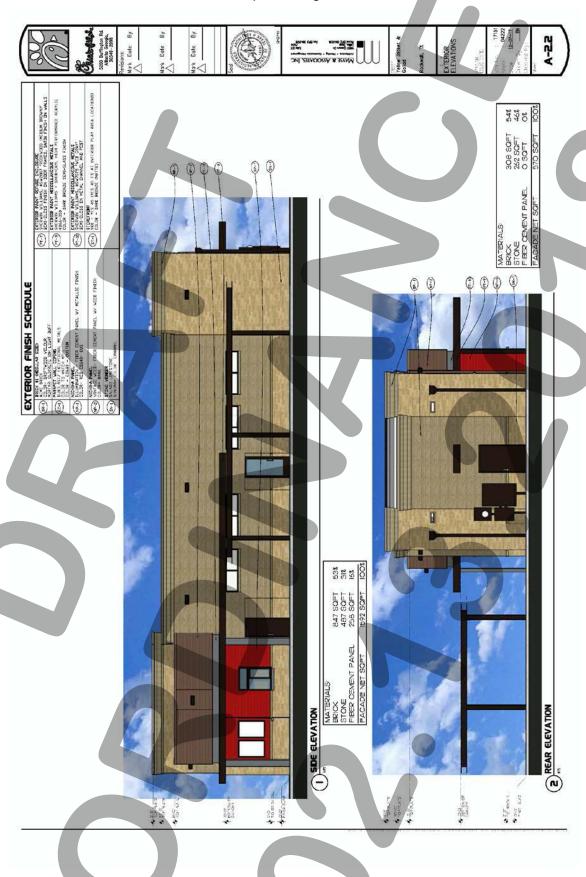
# Exhibit 'B': Concept Plan



# **Exhibit 'C':** Concept Building Elevations



**Exhibit 'C':** Concept Building Elevations



# TRAFFIC IMPACT ANALYSIS FOR CHICK-FIL-A ROCKWALL, TEXAS

# Prepared for:

Wier & Associates, Inc. 2201 E. Lamar Blvd., Suite 200E Arlington, Texas 76006-7440

Prepared by:

3030 LBJ Freeway, Suite 1660 Dallas, Texas 75234 (972) 248-3006 TBPE Firm F-450



February 2018

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### INTRODUCTION

This traffic study was conducted to analyze the potential traffic impacts of the proposed Chick-fil-A which will be located on the southwest corner of the Goliad Street (SH 205) and Yellowjacket Lane intersection in Rockwall, Texas. A vicinity map of the study area is shown in **Figure 1** and a site plan for this facility is shown in **Figure 2**. The following elements were included in this study:

#### Data Collection

- Collected weekday AM, Midday and PM peak hour turning movement volumes at the Goliad Street (SH 205) and Yellowjacket Lane intersection on Wednesday, January 24, 2018.
- Obtained historical average daily traffic (ADT) volumes on roadways in the study area.
- Obtained the proposed site plan, information related to planned roadway improvements, and other relevant information.

### Traffic Analysis

- Assessed the general accessibility of the site.
- Estimated the number of trips that will be generated by the proposed development.
- Estimated the directional distribution of traffic approaching / departing the proposed development.
- Assigned the estimated traffic to the street network.
- Performed capacity analyses for the critical intersections within the study area.

#### Recommendations

• Determined if any roadway improvements are needed to accommodate projected traffic generated by the proposed development.

#### Documentation

• Prepared a report documenting the study procedures and results.

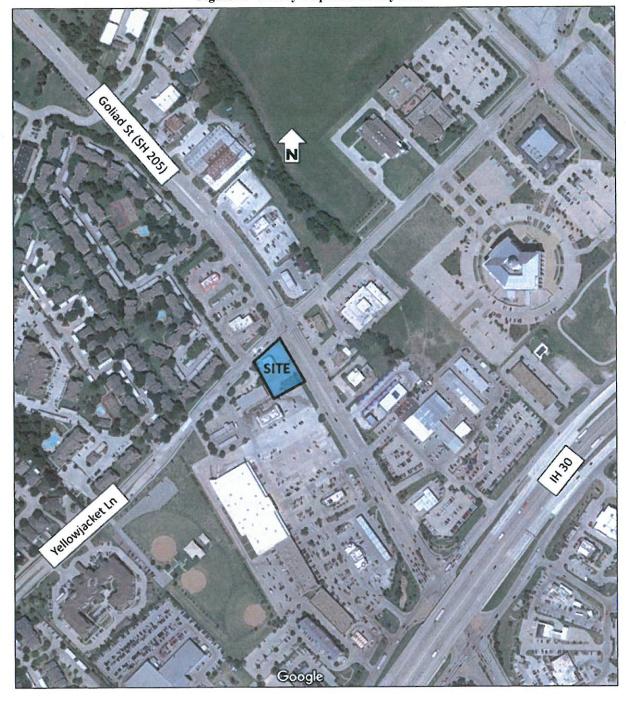
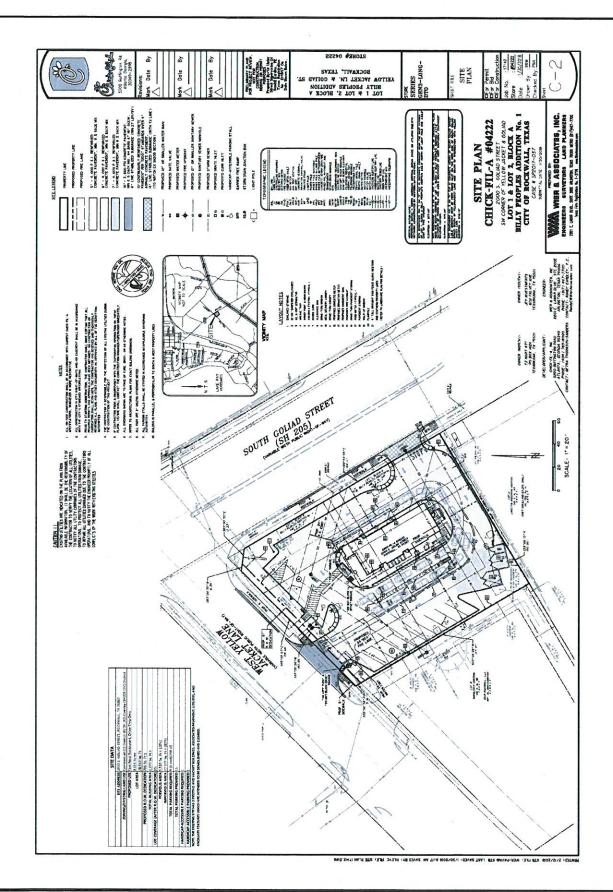


Figure 1: Vicinity Map of the Study Area



#### SITE ACCESSIBILITY

Site accessibility describes the ease with which vehicles can get to and from a development. A site's accessibility is affected by the geographical location of the development with respect to other activity areas, the roadway system and physical restraints such as rivers or lakes.

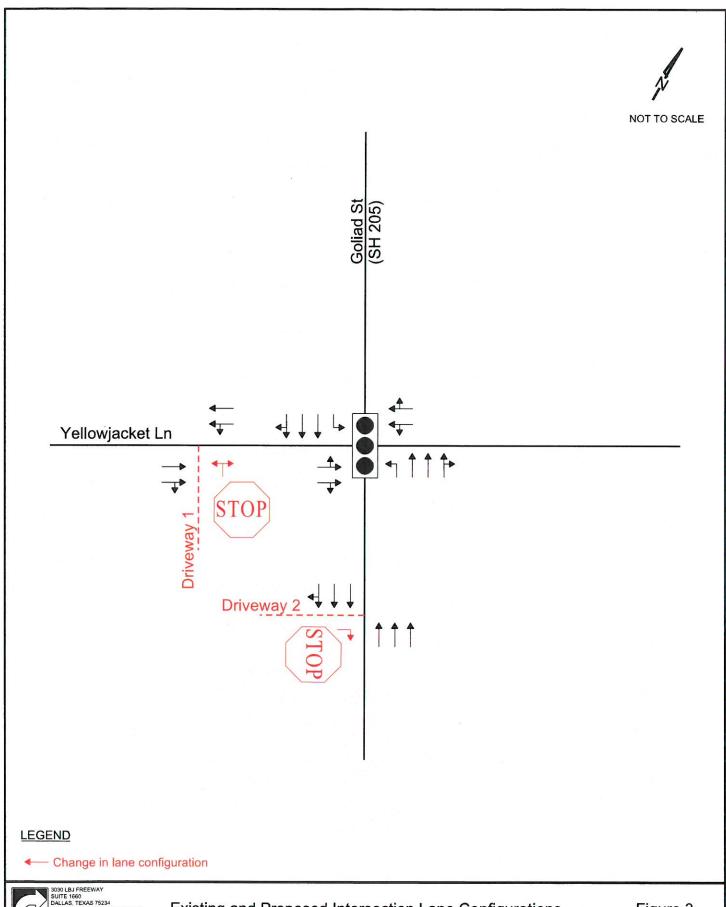
Access to the Chick-fil-A development will be provided by:

- One full access driveway along Yellowjacket Lane approximately 110 feet west of Goliad Street (SH 205)
- One right-in/right-out only driveway on Goliad Street (SH 205) approximately 170 feet south of Yellowjacket Lane.

The existing lane configurations for the roadways and the critical intersection within the study area are provided in **Figure 3**. This figure also shows the new driveways for the Chick-Fil-A development. A description of the study area roadways includes:

Yellowjacket Lane – Yellowjacket Lane borders the proposed Chick-fil-A development to the north and is a four-lane undivided roadway with a posted speed limit of 35 miles per hour (mph) at the intersection with Goliad Street (SH 205). Yellowjacket Lane widens to a four-lane divided section approximately 800 feet west of Goliad Street (SH 205). Yellowjacket Lane is designated as a Major Collector 4 lane Divided (M4D) roadway in the City of Rockwall Thoroughfare Plan.

Goliad Street (SH 205) – Goliad Street (SH 205) borders the proposed facility to the east and currently exists as a six-lane divided roadway with a posted speed limit of 40 miles per hour (mph). Goliad Street (SH 205) is designated as a Principal Arterial 6 Lane Divided (P6D) roadway in the City of Rockwall Thoroughfare Plan. Goliad Street (SH 205) is currently at its ultimate roadway configuration.



### TRAFFIC VOLUMES

#### Existing Traffic Volumes

Existing weekday AM (7:00-9:00), Midday (11:30 AM - 1:30 PM) and PM (4:00-6:00) peak period turning movement volumes were collected at the existing intersection of Goliad Street (SH 205) and Yellowjacket Lane on Wednesday, January 24, 2018. **Figure 4** shows the existing (2018) peak hour intersection turning movement volumes and the raw traffic count data is provided in the Appendix.

### Background Traffic Volumes

Historical 24-hour traffic volumes in the study area were obtained from TxDOT traffic count maps and are presented in **Table 1**.

Location Year SH 205 - (N of IH 30) 27,000 2011 2012 27,000 26,795 2013 26,180 2014 28,604 2015 2016 32,907 Average Annual Growth 5.1%

Table 1: TxDOT Historical Daily Traffic Counts

The traffic volumes in Table 1 show that traffic on SH 205 north of IH 30 has increased at an average annual rate of approximately five percent (5%).

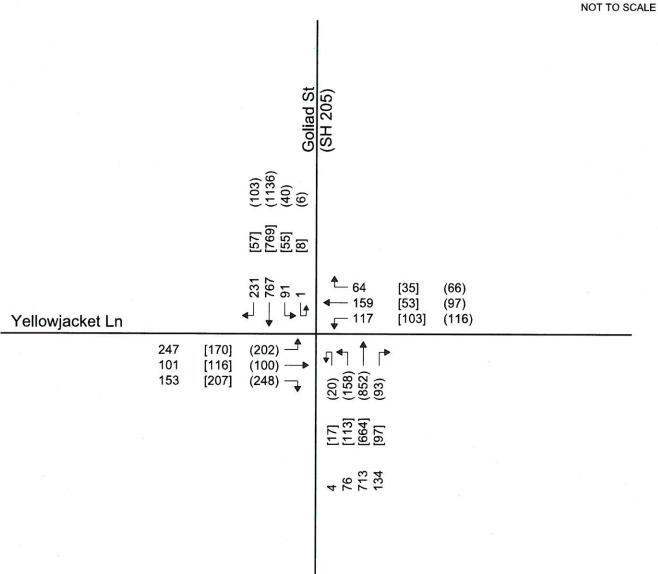
As part of another traffic project near the Goliad Street (SH 205) and Yellowjacket Lane intersection, weekday AM, Midday and PM peak hour traffic volumes were collected at this intersection in October 2004. **Table 2** shows a comparison of the total entering traffic volumes at this intersection between the 2004 and 2018 traffic volumes.

Table 2:	Historical	Peak Hour	Intersection	Traffic	Volumes
	2 11 1 64	. (CII 205)	4 37 11	1 T	

Go	liad Street (S	H 205) at Y	Yellowjacket Lane
	2004	2018	Average Annual Growth
AM	1,914	2,858	3.1%
Midday	1,584	2,464	3.5%
PM	1,830	3,237	4.5%

Based on these pieces of information, an annual growth rate of five percent (5%) was assumed and applied to the existing traffic volumes to obtain the Build-Out Year (2019) Background traffic volumes, which are shown in **Figure 5**.





**LEGEND** 

← AM [Midday] (PM) Peak Hour Volumes

- Traffic volumes collected on Wednesday, January 24, 2018 -





ALE

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Yellowjacket Ln	259	[170]	(212) 📑	. 4	1	(/		
	106 161	[179] [122] [217]	(212) — (105) — (260) —	1 ± (0, 0, 0, 0)				
	161	[217]	(260)	(21) (166) (895) (98)				
				[18] [119] [697] [102]				
				4 80 749 141				

#### **LEGEND**

← AM [Midday] (PM) Peak Hour Volumes



At the site of the proposed Chick-fil-A restaurant, two vacant buildings currently occupy the property. The 2,400 ft<sup>2</sup> building on the corner formerly served as an E-Z Mart convenience store with 4 gasoline pumps in front of the building. The 1,890 ft<sup>2</sup> building on the south side of the property most recently served as a Pizza Hut restaurant.

To identify the estimated trips generated by these two land uses when in operation, trip generation characteristics for these land uses were obtained from the publication entitled *Trip Generation Manual*, 10<sup>th</sup> Edition, produced by the Institute of Transportation Engineers (ITE). Estimates of the number of trips generated by the previous land uses were made for the AM and PM peak hour, as well as on a daily basis. The trip generation characteristics for these land uses are provided in **Table 3**.

Table 3: Trip Generation Characteristics for Existing Land Uses

				ii actei ist										
Land Use					F	Rates1								
Description	ITE Code	Avei	rage Wee	ekday	AM	Peak I	Iour	PM Peak Hour						
Convenience Market with Gasoline Pumps	853	T =	= 322.50*	*(X)	T =	= 20.76*	(X)	T = 23.04*(X)						
High-Turnover (Sit-Down) Restaurant	932	T =	= 112.18*	*(Y)	T :	= 9.94*	(Y)	T = 9.77*(Y)						
Land Use			Directional Split <sup>2</sup>											
Description	ITE Code	Aver	age Wee	ekday	AM	Peak I	Iour	PM Peak Hour						
Convenience Market with Gasoline Pumps	853		50 / 50			50 / 50			50 / 50					
High-Turnover (Sit-Down) Restaurant	932		50 / 50			55 / 45		62 / 38						
					Numb	er of Tı	ips							
Land Use	Variable	Aver	age Wee	ekday	AM	Peak I	Iour	PM Peak Hour						
		Total	In	Out	Total	In	Out	Total	In	Out				
Convenience Market with Gasoline Pumps	4 vfp <sup>3</sup>	1,290	645	645	84	42	42	94	47	47				
High-Turnover (Sit-Down) Restaurant	1,890 ft <sup>2</sup>	212	106	106	19	10	9	18	11	7				
TOTAL		1,502	751	751	103	52	51	112	58	54				

 $<sup>{}^{1}</sup>T$  = Trips Ends; X = Vehicle fueling positions; Y = 1,000 ft<sup>2</sup>

While a direct trip generation rate for the Midday peak of these land uses is not provided in the *Trip Generation Manual*, additional data indicates that the trips generated during the Midday peak hour represents 5.9% of the daily trips for a "Convenience Market with Gasoline Pumps" and 12.2% of the daily trips for a "High-Turnover (Sit Down) Restaurant." Applying these percentages for the two land uses indicate that 76 trips would be predicted to be generated by the convenience market and 26 trips would be predicted to be generated by the restaurant during the Midday peak hour, which would result in an estimated total of 102 trips during the Midday peak hour.

<sup>&</sup>lt;sup>2</sup>XX / YY = % entering vehicles / % exiting vehicles

<sup>&</sup>lt;sup>3</sup>Vehicle fueling positions

### PROPOSED DEVELOPMENT

The proposed development is planned to consist of a 2,173 square foot Chick-fil-A restaurant with dual drive-through lanes and no indoor seating. A window on the exterior of the building will be provided for walk-up orders for the restaurant. Based on discussions with the developer, the Build-Out Year of the proposed restaurant will occur in 2019.

The number of trips generated by the Chick-fil-A restaurant is a function of the type and quantity of land use for the development. The number of vehicle trips generated by the proposed development was estimated based on the trip generation rates and equations provided in the publication entitled *Trip Generation Manual*, 10<sup>th</sup> Edition, by the Institute of Transportation Engineers (ITE). Estimates of the number of trips generated by the site were made for the AM and PM peak hour, as well as on a daily basis. The trip generation characteristics for this development are shown in **Table 4**. Table 1 also presents the number of trips generated by the proposed development at Build-Out.

Table 4: Trip Generation Characteristics for Proposed Chick-fil-A

Land Use					R	Rates <sup>1</sup>					
Description	ITE Code	Aver	age Wee	kday	AM	Peak H	lour	PM Peak Hour			
Fast-Food Restaurant with Drive-Through Window and No Indoor Seating	935	T =	= 459.20*(	(X)	T =	33.76*	(X)	T = 42.65*(X)			
Land Use					Directi	ional Sp	olit <sup>2</sup>				
Description	ITE Code	Aver	age Wee	kday	AM	Peak H	lour	PM Peak Hour			
Fast-Food Restaurant with Drive-Through Window and No Indoor Seating	935		50 / 50			48 / 52		51 / 49			
					Numb	er of Tr	rips				
Land Use	Variable	Aver	age Wee	kday	AM	Peak H	lour	PM	Peak H	our	
	1 9	Total	In	Out	Total	In	Out	Total	In	Out	
Fast-Food Restaurant with Drive-Through Window and No Indoor Seating	2,173 ft <sup>2</sup>	998	499	499	74	36	38	93	47	46	

 $<sup>{}^{1}</sup>T = \text{Trips Ends}; X = 1,000 \text{ ft}^{2}$ 

In the absence of a dedicated trip generation rate for the Midday peak of a "Fast-Food Restaurant" land use, additional data in the *Trip Generation Manual* indicated trips generated during the Midday peak hour represents 14.3% of the daily trips for this type of land use (144 trips). Based on the estimated trips generated by the previous development and the proposed development, and using information in ITE's *Trip Generation Manual*, the proposed development is predicted to

 $<sup>^{2}</sup>XX / YY = \%$  entering vehicles / % exiting vehicles

generate approximately 30% fewer trips during the AM peak hour (-29 trips) and approximately 15% fewer trips during the PM peak hour (-19 trips) than the previous two land uses on this property. During the Midday peak hour, the proposed development is predicted to generate approximately 40% more trips than the previous two land uses on this property (+42 trips).

When a motorist makes an intermediate stop at an adjacent land use during their journey to their primary trip destination, they are said to have made a pass-by trip. Pass-by trips are not new traffic generated by a development as these trips are attracted out of the existing traffic streams adjacent to the site. The ITE *Trip Generation Handbook* (3<sup>rd</sup> Edition) publishes average pass-by rates for different land uses based on studies at similar types of developments. For a "Fast-Food Restaurant with Drive-Through Window and No Indoor Seating" land use, information in this handbook indicates pass-by percentages of 49 percent during the AM peak hour and 50 percent during the PM peak hour. No pass-by information is provided for the Midday peak hour. As a result, approximately half of the traffic generated by the proposed Chick-fil-A restaurant during the AM and PM peak hours is projected to be traffic that is already traveling on the adjacent roadways and passing by this site. However, pass-by traffic was not removed from the adjacent intersection volumes, which should result in a conservative estimate of traffic impacts.

### TRIP DISTRIBUTION AND ASSIGNMENT

#### Trip Distribution

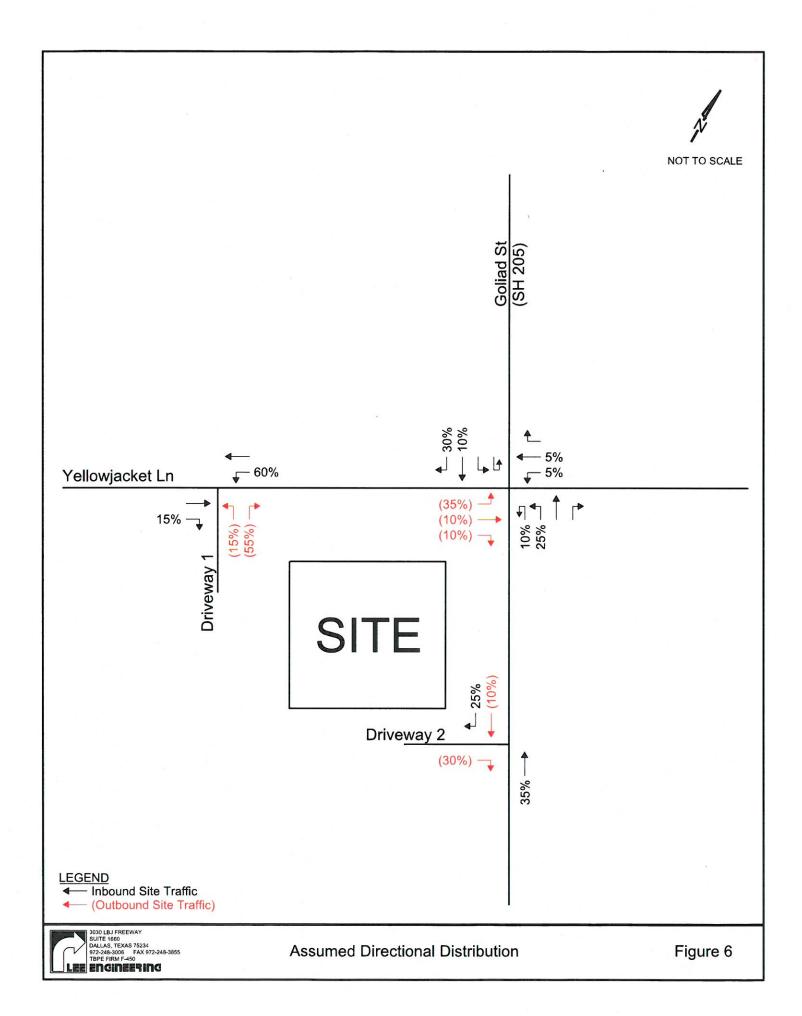
The existing traffic volumes and roadways in the area, along with the proposed site layout, were used to determine the directions from which traffic would approach and depart the Chick-fil-A development. The assumed directional distribution is provided in **Figure 6**.

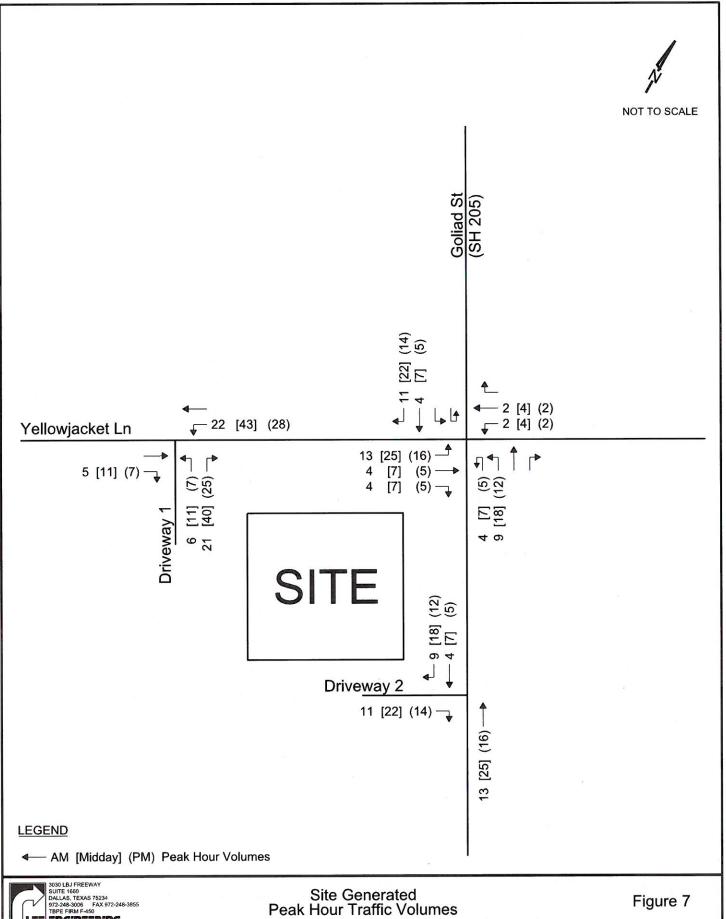
#### Site Traffic Volumes

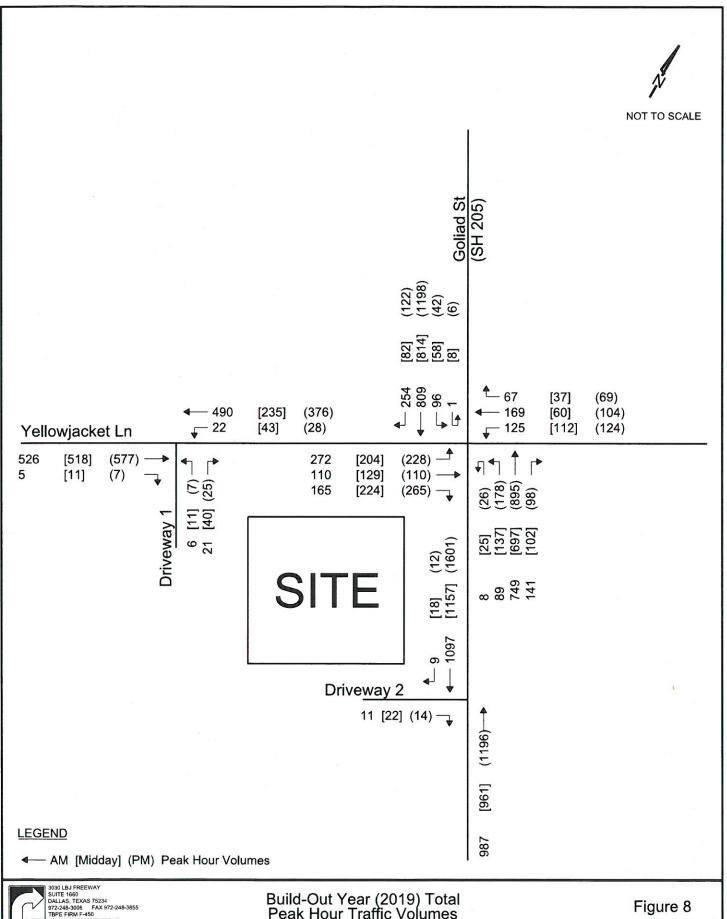
Traffic volumes expected to be generated by the proposed Chick-fil-A development were assigned to the area roadways and site access points based on the directional distribution identified in Figure 6. The estimated site generated traffic volumes for the weekday AM, Midday and PM peak hours are shown in **Figure 7**. As stated previously, although half of the traffic generated by the proposed restaurant is projected to be traffic that is already traveling on the adjacent roadways and passing by the site, no reduction in the trips generated by the proposed development to account for pass-by traffic was assumed.

#### Total Traffic Conditions

Total (background + site) peak hour traffic conditions at Build-Out Year (2019) of the Chick-fil-A were obtained by adding the Build-Out Year (2019) Background traffic volumes (Figure 5) to the total site generated traffic volumes (Figure 7) and are shown in **Figure 8**.







EE ENGINEERING

Build-Out Year (2019) Total Peak Hour Traffic Volumes

### INTERSECTION CAPACITY ANALYSES

The Level of Service (LOS) of an intersection is a qualitative measure of capacity and operating conditions and is directly related to vehicle delay. The LOS criteria for a signalized intersection are shown in **Table 5**. LOS is given a letter designation from A to F, with LOS A representing very short delays (less than 10 seconds of average control delay per vehicle) and LOS F representing very long delays (more than 80 seconds of average control delay per vehicle). LOS D, ranging from 35.1 to 55.0 seconds of average control delay per vehicle, is typically considered the minimum acceptable condition.

For unsignalized intersections, the levels of service, as shown in **Table 6**, are defined by average control delay in seconds per vehicle. LOS D (ranging from 25.1 to 35 seconds of average delay per vehicle) is considered the minimum acceptable condition for an unsignalized intersection.

Capacity analyses were conducted for the study area intersections under the following analysis scenarios:

- > Existing (2018) Conditions
- ➤ Build-Out Year (2019) Background Conditions
- ➤ Build-Out Year (2019) Total Conditions

The intersection capacity analyses were conducted using HCM methodologies in the *Synchro 9* traffic analysis software package. The intersection lane configurations provided in Figure 3 were used for these analyses.

Additional performance measures such as volume to capacity (v/c) ratios and queue lengths also provide an indication of operations. For example, at two-way stop controlled intersections, main street traffic volumes may impose longer average delays for a small number of side-street vehicles, thus creating vehicle delays which correspond to a poor level of service.

Table 5: Level of Service Criteria for Signalized Intersections

Level-of-Service (LOS)	Average Control Delay (seconds/vehicle)	Description
Α	≤ 10.0	Very low vehicle delays, free flow, signal progression extremely favorable, most vehicles arrive during given signal phase.
В	10.1 to 20.0	Good signal progression, more vehicles stop and experience higher delays than for LOS A.
С	20.1 to 35.0	Stable flow, fair signal progression, significant number of vehicles stop at signals.
D	35.1 to 55.0	Congestion noticeable, longer delays and unfavorable signal progression, many vehicles stop at signals.
E	55.1 to 80.0	Limit of acceptable delay, unstable flow, poor signal progression, traffic near roadway capacity, frequent cycle failures.
F	> 80.0	Unacceptable delays, extremely unstable flow and congestion, traffic exceeds roadway capacity, stop-and-go conditions.

SOURCE: Highway Capacity Manual, HCM 2010, Transportation Research Board, 2010

Table 6: Level of Service Criteria for Unsignalized Intersections

Level-of-Service (LOS)	Average Control Delay (seconds/vehicle)	Description
A	≤ 10.0	No delays at intersections with continuous flow of traffic. Uncongested operations: high frequency of long gaps available for all left and right turning traffic. No observable queues.
В	10.1 to 15.0	No delays at intersections with continuous flow of traffic. Uncongested operations: high frequency of long gaps available for all left and right turning traffic. No observable queues.
C	15.1 to 25.0	Moderate delays at intersections with satisfactory to good traffic flow. Light congestion; infrequent backups on critical approaches.
D	25.1 to 35.0	Increased probability of delays along every approach. Significant congestion on critical approaches, but intersection functional. No standing long lines formed.
E	35.1 to 50.0	Heavy traffic flow condition. Heavy delays probable. No available gaps for cross-street traffic or main street turning traffic. Limit of stable flow.
F	> 50.0	Unstable traffic flow. Heavy congestion. Traffic moves in forced flow condition. Average delays greater than one minute highly probable. Total breakdown.

SOURCE: Highway Capacity Manual, HCM 2010, Transportation Research Board, 2010

**Table 7** presents the analysis results for the study intersection under Existing (2018), Build-Out Year (2019) Background, and Build-Out Year (2019) Total traffic conditions. The shaded cells in Table indicate approaches that are currently operating or are predicted to operate below level of service (LOS) D.

**Table 7: Intersection Capacity Analysis Results** 

The state of the s	Goliad Stree	t (SH 205) and	Yellowjacket I	ane (Signalize	d)	
Scenario	Peak Hour	Intersection	EB	WB	NB	SB
	AM	31.7 (C) 1	60.8 (E)	52.4 (D)	20.5 (C)	21.3 (C)
Existing Conditions	Midday	24.8 (C)	49.8 (D)	45.4 (D)	15.0 (B)	16.4 (B)
Conditions	PM	34.5 (C)	68.2 (E)	65.0 (E)	20.2 (C)	25.8 (C)
	AM	33.0 (C)	61.9 (E)	52.1 (D)	22.2 (C)	23.1 (C)
Build-Out Year (2019) Background Conditions	Midday	25.7 (C)	50.8 (D)	45.3 (D)	15.8 (B)	17.5 (B)
Background Conditions	PM	36.3 (D)	69.2 (E)	66.2 (E)	22.0 (C)	28.4 (C)
	AM	34.1 (C)	62.8 (E)	52.1 (D)	22.9 (C)	24.4 (C)
Build-Out Year (2019) Total Conditions	Midday	27.1 (C)	52.4 (D)	45.2 (D)	16.7 (B)	18.9 (B)
Total Conditions	PM	38.1 (D)	69.6 (E)	66.5 (E)	23.5 (C)	30.7 (C)
	Yellowjacke	t Lane and Driv	eway 1 (Unsig	nalized - TWS	C)	
Scenario	Peak Hour	Intersection <sup>2</sup>	EB	WB Left	NB	SB
	AM		0.0 (A)	8.7 (A)	12.3 (B)	
Build-Out Year (2019) Total Conditions	Midday		0.0 (A)	8.8 (A)	12.2 (B)	
Total Conditions	PM		0.0 (A)	8.9 (A)	12.6 (B)	
le am no a	Goliad Street (	SH 205) and Di	riveway 2 (Uns	ignalized – TW	/SC)	
Scenario	Peak Hour	Intersection <sup>2</sup>	EB .	WB	NB	SB
	AM		10.4 (B)		0.0 (A)	0.0 (A)
Build-Out Year (2019) Total Conditions	Midday		10.6 (B)		0.0 (A)	0.0 (A)
Total Conditions	PM		11.8 (B)		0.0 (A)	0.0 (A)

<sup>&</sup>lt;sup>1</sup> Delay in seconds/vehicle (Level of Service)

As shown by the analysis results in Table 7, the intersection of Goliad Street (SH 205) and Yellowjacket Lane currently operates and is predicted to continue operating at acceptable levels of service under Build-Out Year (2019) Background and Total conditions during the AM, Midday and PM peak hours. The approaches and movements at the Chick-fil-A driveways on Yellowjacket Lane and Goliad Street (SH 205) are predicted to operate at acceptable levels of service under Build-Out Year (2019) Total conditions.

<sup>&</sup>lt;sup>2</sup> HCM methodology does not provide intersection-wide delay/level of service for two-way stop-controlled (TWSC) analysis

The results in Table 7 indicate that at the signalized intersection of Goliad Street (SH 205) and Yellowjacket Lane, the eastbound (AM and PM peak hours) and westbound approaches (PM peak hour) currently operate at levels of service below LOS D. With the additional background and site traffic at this intersection in the Build-Out Year (2019), the levels of service for those approaches are predicted to remain the same with similar delays. Under Build-Out Year (2019) Total conditions, delays at the eastbound and westbound approaches on Yellowjacket Lane at this intersection are predicted to increase by less than two (2) seconds/vehicle during the AM and PM peak hours, when compared to Existing (2018) conditions. Traffic generated by the proposed Chick-fil-A restaurant is predicted to have minimal impact to the operation of the Goliad Street (SH 205) and Yellowjacket Lane intersection.

### **ACCESS MANAGEMENT ANALYSES**

As part of this study, access management analyses were performed to consider the need for deceleration lanes and to determine if adequate driveway spacing and intersection sight distance is provided for the proposed site driveways. Additionally, an analysis of the internal queuing on site was also performed.

Right Turn Deceleration Lane Analysis

The proposed site driveways for the Chick-fil-A development along Yellowjacket Lane and Goliad Street (SH 205) were analyzed to determine the need for right turn deceleration lanes. Guidelines in TxDOT's Access Management Manual state that:

• For roadways with a posted speed limit less than or equal to 45 mph, a right turn deceleration lane should be considered when peak right turn volumes are greater than 60 vehicles per hour.

**Table 8** summarizes the projected right turn volumes under Build-Out Year (2019) Total traffic conditions.

Intersection	Approach	Speed Limit (mph)	Threshold (vph)	Volume (vph) AM [Midday] (PM)	Exceeds Threshold? AM [Midday] (PM)
Driveway #1 at Yellowjacket Lane	EB	35	60	5 [11] (7)	No [No] (No)
Driveway #2 at Goliad Street (SH 205)	SB	40	60	9 [18] (12)	No [No] (No)

Table 8: Right Turn Deceleration Lane Analysis Results

As shown in Table 8, the eastbound right turn volumes on Yellowjacket Lane at Driveway #1 and the southbound right turn volumes on Goliad Street (SH 205) at Driveway #2 are not predicted to exceed the guidelines for consideration of a right turn deceleration lane during any of the peak hours evaluated. Therefore, right turn deceleration lanes are not recommended for either of these driveway locations.

Intersection Sight Distance

As part of this traffic analysis, the available and required intersection sight distance for motorists accessing the adjacent roadways from the proposed site driveways on Yellowjacket Lane and Goliad Street (SH 205) were analyzed. The sight distance required was estimated using the procedures developed by the American Association of State Highway and Transportation Officials (AASHTO) and published in the 2011 edition of A Policy on Geometric Design of Highways and Streets. At this location, the motorist should be able to see if and when adequate gaps exist to

perform their desired maneuver. **Table 9** presents the required and available sight distance for vehicles exiting the proposed Chick-fil-A site driveways.

Major Roadway Yellowjacket Lane Goliad Street (SH 205) Posted Speed Limit 35 mph 40 mph Minor Roadway Driveway #1 Driveway #2 Design Vehicle Passenger Car Passenger Car Required Intersection Sight Distance 415' 385 Available Sight Distance to the Left >500' >500' Available Sight Distance to the Right >500'  $N/A^{-1}$ Available > Required To the Left YES YES To the Right YES N/A

**Table 9: Sight Distance Evaluation** 

As identified in Table 9, the amount of available sight distance for the proposed driveways are predicted to exceed the amount of intersection sight distance required.

#### Access Spacing

In TxDOT's Access Management Manual, required access point spacing is determined based on the posted speed limit of the roadway. For a state highway with a posted speed limit of 40 mph, such as Goliad Street (SH 205), the required spacing between access points is 305 feet. The Standards of Design and Construction for the City of Rockwall (October 2016) indicate that the minimum spacing between a driveway on a collector road and the adjacent arterial street is 200 feet with a minimum of 100 feet between driveways.

Driveway #1 on Yellowjacket Lane is planned to be located approximately 110 feet west of Goliad Street (SH 205) and approximately 40 feet east of an existing driveway. The City's minimum driveway spacing is not met between Driveway #1 and the adjacent driveway to the west or the Goliad Street (SH 205) intersection to the east. While the proposed location of Driveway #1 does not meet the City's driveway spacing requirements, the proposed Driveway #1:

- Will replace two existing driveways for the previous development.
- Will be located near the western edge of the property.
- Will be located at approximately the same location as the existing western driveway for the previous development.

Driveway #2 on Goliad Street (SH 205) is planned to be located approximately 170 feet south of Yellowjacket Lane and approximately 160 feet north of an existing driveway. TxDOT's access point spacing requirement (305 feet) is not met between Driveway #2 and the Yellowjacket intersection to the north or the adjacent driveway to the south. While the proposed location of Driveway #2 does not meet TxDOT's driveway spacing requirements, the proposed Driveway #2:

Right-in/right-out exit

- Will replace two existing driveways for the previous development.
- Will be located near the southern edge of the property.
- Will be located approximately 30 feet further south than the existing southern driveway for the previous development.

Since these driveways do not meet the minimum requirements, a waiver from the City and TxDOT will be necessary for the location of these driveways.

#### Internal Site Queuing

An analysis of the ability of the site to store drive-through queues within the proposed drive-through lanes was also performed. Since the Midday peak hour had the highest predicted demand (72 entering vehicles), this peak hour was selected as the analysis period.

For this analysis, the following assumptions were made:

- All 72 vehicles would use the drive-through lanes and there would be no customers using the outside walk-up window.
- Based on information provided in the site plan, the drive-through lanes can store a total of 19 vehicles.
- Based on information provided by the developer, an average store services one vehicle every 30 seconds, or two (2) vehicles minute.
- In the 15 minutes before the start peak hour, a total of 18 entering vehicles were assumed, with the final 6 vehicles arriving at the end of the final 5 minute period. As a result, it was assumed that these 6 vehicles would be waiting in the queue at the start of the Midday peak hour assessment.
- 50% of the entering vehicles (36 vehicles) would arrive in the first 15 minutes of the peak hour (arrival rate = 2.4 vehicles/minute).
- 40% of the entering vehicles (29 vehicles) would arrive in the next 15 minutes of the peak hour (arrival rate = 1.9 vehicles/minute).
- Adding the previous two bullets together, 90% of the 72 total entering vehicles (65 vehicles) would arrive in the first 30 minutes of the peak hour.

**Table 10** presents the results of the queuing analysis using the above assumptions. As shown by this analysis, with 90% of the predicted Midday peak hour traffic occurring in the first 30 minutes, the traffic queues are not predicted to exceed the limits of the storage provided (19 queued vehicles) with a maximum predicted queue of 14 vehicles.

Table 10: Queuing Analysis Results

Time	Arrival Rate (veh/min)	Departure Rate (veh/min)	# of Cars in Queue	# of Cars Arriving	# of Cars Departing	# of Cars in Queue	Total Cars Arrived	% of Total
12:00	2.4	2	6	3	0	9	3	4%
12:01	2.4	2	9	2	2	9	5	7%
12:02	2.4	2	9	3	2	10	8	11%
12:03	2.4	2	10	2	2	10	10	14%
12:04	2.4	2	10	2	2	10	12	17%
12:05	2.4	2	10	3	2	11	15	21%
12:06	2.4	2	11	2	2	11	17	24%
12:07	2.4	2	11	3	2	12	20	28%
12:08	2.4	2	12	2	2	12	22	31%
12:09	2.4	2	12	2	2	12	24	33%
12:10	2.4	2	12	3	2	13	27	38%
12:11	2.4	2	13	2	2	13	29	40%
12:12	2.4	2	13	3	2	14	32	44%
12:13	2.4	2	14	2	2	14	34	47%
12:14	2.4	2	14	2	2	14	36	50%
12:15	1.9	2	14	2	2	14	38	53%
12:16	1.9	2	14	2	2	14	40	56%
12:17	1.9	2	14	2	2	14	42	58%
12:18	1.9	2	14	2	2	14	44	61%
12:19	1.9	2	14	2	2	14	46	64%
12:20	1.9	2	14	2	2	14	48	67%
12:21	1.9	2	14	2	2	14	50	69%
12:22	1.9	2	14	2	2	14	52	72%
12:23	1.9	2	14	2	2	14	54	75%
12:24	1.9	2	14	2	2	14	56	78%
12:25	1.9	2	14	2	2	14	58	81%
12:26	1.9	2	14	2	. 2	14	60	83%
12:27	1.9	2	14	2	2	14	62	86%
12:28	1.9	2	14	2	2	14	64	89%
12:29	1.9	2	14	1	2	13	65	90%

### **CONCLUSIONS**

Based on the analysis of the proposed site plan and characteristics of the Chick-fil-A restaurant, the following conclusions can be made:

• The proposed Chick-fil-A restaurant is predicted to generate 998 trips on a daily basis with 74 trips during the AM peak hour, 144 trips during the Midday peak hour and 93 trips during the PM peak hour.

#### Intersection Capacity Analysis

- Under Existing conditions, the intersection of Goliad Street (SH 205) and Yellowjacket Lane currently operates at acceptable levels of service during the AM, Midday and PM peak hours. The intersection will continue operating at acceptable levels of service under Build-Out Year (2019) Background and Total conditions.
- The eastbound (AM and PM peak hours) and westbound (PM peak hour) approaches at the Goliad Street (SH 205) and Yellowjacket Lane intersection currently operate and are predicted to continue operating at the same level of service (below LOS D) under Build-Out Year (2019) Background and Total conditions. For these approaches, the delays are predicted to increase by less than two (2) seconds/vehicle during the AM and PM peak hours, when compared to Existing (2018) conditions. Traffic generated by the proposed Chick-fil-A restaurant is predicted to have minimal impact to the operation of the Goliad Street (SH 205) and Yellowjacket Lane intersection.
- The approaches to the proposed Driveway #1 (on Yellowjacket Lane) and Driveway #2 (on Goliad Street [SH 205]) are predicted to operate at acceptable levels of service under Build-Out Year (2019) Total traffic conditions.

#### Access Management Analysis

- The projected eastbound right turn volumes on Yellowjacket Lane at Driveway #1 and the projected southbound right turn volumes on Goliad Street (SH 205) at Driveway #2 are not predicted to exceed TxDOT's guidelines for consideration of right turn deceleration lanes. Right turn deceleration lanes are not recommended for these two driveways as a result of the Chick-fil-A development.
- Based on conditions that existed in the field when the sight distance was measured, the
  amount of available sight distance for the proposed driveways are predicted to exceed the
  amount of intersection sight distance required.
- The City's minimum driveway spacing for Driveway #1 on Yellowjacket Lane and TxDOT's minimum driveway spacing for Driveway #2 on Goliad Street (SH 205) are not satisfied. However, each driveway is replacing two driveways which currently exist along the site frontage, are located at similar locations to a previous driveway and are located near the edge of the property line. A waiver will be necessary for the location of these driveways.
- With the assumptions made as part of the queuing analysis, with 90% of the predicted Midday peak hour traffic occurring in the first 30 minutes, traffic queues are not predicted to exceed the limits of the storage provided (19 queued vehicles).

### RECOMMENDATIONS

Based on the results of this study, no specific recommendations were identified as a result of the traffic generated by the proposed Chick-fil-A restaurant. Effective and efficient management of the ordering and food delivery process should be undertaken, as necessary, to help minimize any queues generated by the Chick-fil-A restaurant.

## **APPENDIX**

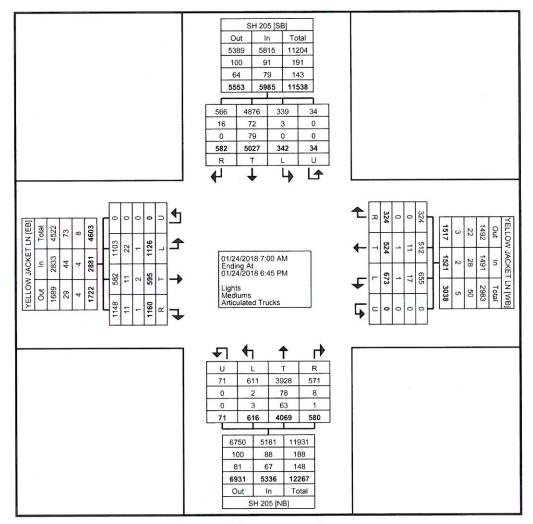
Arlington, Texas, United States 76013 817.265.8968

Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 1

**Turning Movement Data** 

1	r					r.		urriii	ig ivi	ove	nen	l Da	la								
			SH 205				YELLO	DW JACK	KET LN				SH 205				YELLO	DW JACK	KET LN		
		S	outhbou	nd			1	Vestbour	nd			N	lorthbou	nd			E	Eastboun	d		
Start Time	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	Int. Total
7:00 AM	2	189	12	0	203	10	18	8	0	36	8	118	18	0	144	22	5	32	0	59	442
7:15 AM	7	144	4	0	155	11	5	8	0	24	8	157	17	0	182	33	12	33	0	78	439
7:30 AM	26	199	25	1	251	27	22	21	0	70	16	196	39	2	253	48	15	33	0	96	670
7:45 AM	25	260	54	0	339	25	33	25	0	83	15	217	30	0	262	52	29	36	0	117	801
Hourly Total	60	792	95	1	948	73	78	62	0	213	47	688	104	2	841	155	61	134	0	350	2352
8:00 AM	25	159	66	0	250	34	49	9	0	92	26	139	28	0	193	69	24	39	0	132	667
8:15 AM	15	149	86	0	250	31	55	9	0	95	19	161	37	2	219	78	33	45	0	156	720
8:30 AM	21	142	33	0	196	33	21	8	0	62	12	130	26	2	170	88	33	47	0	168	596
8:45 AM	15	155	5	0	175	14	15	8	0	37	17	137	32	2	188	28	20	21	0	69	469
Hourly Total	76	605	190	0	871	112	140	34	0	286	74	567	123	6	770	263	110	152	0	525	2452
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-			-	-					-			-	-	-	-			-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	20	200	10	1	231	40	15	10	0	65	23	154	16	6	199	33	23	33	0	89	584
11:45 AM	14	207	14	0	235	38	19	15	0	72	20	153	19	2	194	33	25	41	0	99	600
Hourly Total	34	407	24	1	466	78	34	25	0	137	43	307	35	8	393	66	48	74	0	188	1184
12:00 PM	14	205	11	3	233	47	27	22	0	96	29	0000000		4	171	37	100000	42	0	104	
12:15 PM	8	199	16	6	229	24	10	12	0	46		125	13				25			_	604
7577 (903) (400) (900) (900)			7	2							26	182	19	3	230	34	18	46	0	98	603
12:30 PM	17	178			204	34	14	10	0	58	26	149	15	8	198	40	28	49	0	117	577
12:45 PM	16	219	16	2	253	23	11	6	0	40	30	175	32	2	239	49	25	58	0	132	664
Hourly Total	55	801	50	13	919	128	62	50	0	240	111	631	79	17	838	160	96	195	0	451	2448
1:00 PM	13	173	19	3	208	22	20	12	0	54	28	153	25	5	211	41	30	57	0	128	601
1:15 PM	9	199	15	1	224	24	8	7	0	39	29	187	25	2	243	40	33	43	0	116	622
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-			-	•	-	-	-	-			-	-	-	-	-	-	•	
Hourly Total	22	372	34	4	432	46	28	19	0	93	57	340	50	7	454	81	63	100	0	244	1223
4:30 PM	9	234	27	2	272	28	11	15	0	54	33	150	23	3	209	55	25	51	0	131	666
4:45 PM	14	216	16	4	250	19	21	11	0	51	31	194	36	3	264	59	41	65	0	165	730
Hourly Total	23	450	43	6	522	47	32	26	0	105	64	344	59	6	473	114	66	116	0	296	1396
5:00 PM	20	229	22	1	272	41	39	26	0	106	26	158	19	3	206	50	32	77	0	159	743
5:15 PM	10	236	22	2	270	20	33	10	0	63	48	206	18	2	274	53	25	67	0	145	752
5:30 PM	8	282	20	1	311	38	32	17	0	87	37	207	18	3	265	53	33	71	0	157	820
5:45 PM	10	278	33	2	323	27	14	23	0	64	27	204	29	5	265	56	21	48	0	125	777
Hourly Total	48	1025	97	6	1176	126	118	76	. 0	320	138	775	84	13	1010	212	111	263	0	586	3092
6:00 PM	12	340	28	1	381	31	18	16	0	65	46	235	28	10	319	40	21	62	0	123	888
6:15 PM	12	235	21	2	270	32	14	16	0	62	36	182	18	2	238	35	19	64	0	118	688
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	342	5027	582	34	5985	673	524	324	0	1521	616	4069	580	71	5336	1126	595	1160	0	2881	15723
Approach %	5.7	84.0	9.7	0.6		44.2	34.5	21.3	0.0	-	11.5	76.3	10.9	1.3	-	39.1	20.7	40.3	0.0		-
Total %	2.2	32.0	3.7	0.2	38.1	4.3	3.3	2.1	0.0	9.7	3.9	25.9	3.7	0.5	33.9	7.2	3.8	7.4	0.0	18.3	-
Lights	339	4876	566	34	5815	655	512	324	0	1491	611	3928	571	71	5181	1103	582	1148	0	2833	15320
% Lights	99.1	97.0	97.3	100.0	97.2	97.3	97.7	100.0		98.0	99.2	96.5	98.4	100.0	97.1	98.0	97.8	99.0	-	98.3	97.4
Mediums	3	72	16	0	91	17	11	0	0	28	2	78	8	0	88	22	11	11	0	44	251
% Mediums	0.9	1.4	2.7	0.0	1.5	2.5	2.1	0.0	-	1.8	0.3	1.9	1.4	0.0	1.6	2.0	1.8	0.9	-	1.5	1.6
Articulated Trucks	0	79	0	0	79	1	1	0	0	2	3	63	1	0	67	1	2	1	0	4	152
% Articulated	0.0	1.6	0.0	0.0	1.3	0.1	0.2	0.0	_	0.1	0.5	1.5	0.2	0.0	1.3	0.1	0.3	0.1		0.1	1.0
Trucks	0.0		0.0	0.0	110		0.2	0.0		0.1	0.0	1.0	U.E.	0.0	1.0	0.1	0.0	0.1	2000	V. I	1.0

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 2



**Turning Movement Data Plot** 

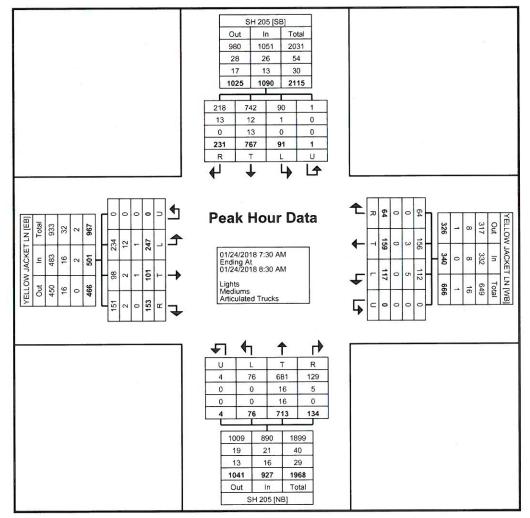
Arlington, Texas, United States 76013 817.265.8968

Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 3

Turning Movement Peak Hour Data (7:30 AM)

7.5															2					4
		SH 205				YELLO	W JAC	KET LN				SH 205				YELLO	W JAC	KET LN		
	S	outhbou	nd			٧	Vestbour	nd			N	lorthbou	nd			E	astbour	nd		
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	Int. Total
26	199	25	1	251	27	22	21	0	70	16	196	39	2	253	48	15	33	0	96	670
25	260	54	0	339	25	33	25	0	83	15	217	30	0	262	52	29	36	0	117	801
25	159	66	0	250	34	49	9	0	92	26	139	28	0	193	69	24	39	0	132	667
15	149	86	0	250	31	55	9	0	95	19	161	37	2	219	78	33	45	0	156	720
91	767	231	1	1090	117	159	64	0	340	76	713	134	4	927	247	101	153	0	501	2858
8.3	70.4	21.2	0.1	-	34.4	46.8	18.8	0.0	123	8.2	76.9	14.5	0.4		49.3	20.2	30.5	0.0		-
3.2	26.8	8.1	0.0	38.1	4.1	5.6	2.2	0.0	11.9	2.7	24.9	4.7	0.1	32.4	8.6	3.5	5.4	0.0	17.5	-
0.875	0.738	0.672	0.250	0.804	0.860	0.723	0.640	0.000	0.895	0.731	0.821	0.859	0.500	0.885	0.792	0.765	0.850	0.000	0.803	0.892
90	742	218	1	1051	112	156	64	0	332	76	681	129	4	890	234	98	151	0	483	2756
98.9	96.7	94.4	100.0	96.4	95.7	98.1	100.0	-	97.6	100.0	95.5	96.3	100.0	96.0	94.7	97.0	98.7		96.4	96.4
1	12	13	0	26	5	3	0	0	- 8	0	16	5	0	21	12	2	2	0	16	71
1.1	1.6	5.6	0.0	2.4	4.3	1.9	0.0	-	2.4	0.0	2.2	3.7	0.0	2.3	4.9	2.0	1.3		3.2	2.5
0	13	0	0	13	0	0	0	0	0	0	16	0	0	16	1	1	0	0	2	31
0.0	1.7	0.0	0.0	1.2	0.0	0.0	0.0	3	0.0	0.0	2.2	0.0	0.0	1.7	0.4	1.0	0.0		0.4	1.1
	26 25 25 15 91 8.3 3.2 0.875 90 98.9 1 1.1	Left Thru 26 199 25 260 25 159 15 149 91 767 8.3 70.4 3.2 26.8 0.875 0.738 90 742 98.9 96.7 1 12 1.1 1.6 0 13	Southbour Left Thru Right 26 199 25 25 260 54 25 159 66 15 149 86 91 767 231 8.3 70.4 21.2 3.2 26.8 8.1 0.875 0.738 0.672 90 742 218 98.9 96.7 94.4 1 12 13 1.1 1.6 5.6 0 13 0	26 199 25 1 25 260 54 0 25 159 66 0 15 149 86 0 91 767 231 1 8.3 70.4 21.2 0.1 3.2 26.8 8.1 0.0 0.875 0.738 0.672 0.250 90 742 218 1 98.9 96.7 94.4 100.0 1 12 13 0 0 13 0 0	Southbound   Left   Thru   Right   U-Turn   App. Total     26   199   25   1   251     25   260   54   0   339     25   159   66   0   250     15   149   86   0   250     91   767   231   1   1090     8.3   70.4   21.2   0.1   -     3.2   26.8   8.1   0.0   38.1     0.875   0.738   0.672   0.250   0.804     90   742   218   1   1051     98.9   96.7   94.4   100.0   96.4     1   12   13   0   26     1.1   1.6   5.6   0.0   2.4     0   13   0   0   13	SH 205 Southbound Left Thru Right U-Turn App. Total 26 199 25 1 251 27 25 260 54 0 339 25 25 159 66 0 250 34 15 149 86 0 250 31 91 767 231 1 1090 117 8.3 70.4 21.2 0.1 - 34.4 3.2 26.8 8.1 0.0 38.1 4.1 0.875 0.738 0.672 0.250 0.804 0.860 90 742 218 1 1051 112 98.9 96.7 94.4 100.0 96.4 95.7 1 12 13 0 26 5 1.1 1.6 5.6 0.0 2.4 4.3 0 13 0 0 13 0	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 25 260 54 0 339 25 33 25 159 66 0 250 34 49 15 149 86 0 250 31 55 91 767 231 1 1090 117 159 8.3 70.4 21.2 0.1 - 34.4 46.8 3.2 26.8 8.1 0.0 38.1 4.1 5.6 0.875 0.738 0.672 0.250 0.804 0.860 0.723 90 742 218 1 1051 112 156 98.9 96.7 94.4 100.0 96.4 95.7 98.1 1 12 13 0 26 5 3 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0 13 0 0 13 0 0	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 25 260 54 0 339 25 33 25 25 159 66 0 250 34 49 9 15 149 86 0 250 31 55 9 91 767 231 1 1090 117 159 64 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 90 742 218 1 1051 112 156 64 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 1 12 13 0 26 5 3 0 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0.0 0 13 0 0 13 0 0 0	SH 205         YELLOW JACKET LN Westbound           Left         Thru         Right         U-Turn         App. Total         Left         Thru         Right         U-Turn           26         199         25         1         251         27         22         21         0           25         260         54         0         339         25         33         25         0           25         159         66         0         250         34         49         9         0           15         149         86         0         250         31         55         9         0           91         767         231         1         1090         117         159         64         0           8.3         70.4         21.2         0.1         -         34.4         46.8         18.8         0.0           3.2         26.8         8.1         0.0         38.1         4.1         5.6         2.2         0.0           0.875         0.738         0.672         0.250         0.804         0.860         0.723         0.640         0.000           90         742         <	SH 205	SH 205	SH 205 Southbound  Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 0 70 16 196 25 260 54 0 339 25 33 25 0 83 15 217 25 159 66 0 250 34 49 9 0 92 26 139 15 149 86 0 250 31 55 9 0 95 19 161 91 767 231 1 1090 117 159 64 0 340 76 713 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 0.0 - 8.2 76.9 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.0 11.9 2.7 24.9 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 0.000 0.895 0.731 0.821 90 742 218 1 1051 112 156 64 0 332 76 681 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 - 97.6 100.0 95.5 1 12 13 0 26 5 3 0 0 0 8 0 16 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0.0 - 2.4 0.0 2.2 0 13 0 0 13 0 0 0 0 0 0 0 0 0 0 16	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 0 70 16 196 39 25 260 54 0 339 25 33 25 0 83 15 217 30 25 159 66 0 250 34 49 9 0 92 26 139 28 15 149 86 0 250 31 55 9 0 95 19 161 37 91 767 231 1 1090 117 159 64 0 340 76 713 134 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 0.0 - 8.2 76.9 14.5 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.0 11.9 2.7 24.9 4.7 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 0.000 0.895 0.731 0.821 0.859 90 742 218 1 1051 112 156 64 0 332 76 681 129 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 - 97.6 100.0 95.5 96.3 1 12 13 0 26 5 3 0 0 0 0 0 0 0 0 16 0	SH 205	SH 205	SH 205	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 0 70 16 196 39 2 253 48 15 25 260 54 0 339 25 33 25 0 83 15 217 30 0 262 52 29 25 159 66 0 250 34 49 9 0 92 26 139 28 0 193 69 24 15 149 86 0 250 31 55 9 0 95 19 161 37 2 219 78 33 91 767 231 1 1090 117 159 64 0 340 76 713 134 4 927 247 101 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 0.0 - 8.2 76.9 14.5 0.4 - 49.3 20.2 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.0 11.9 2.7 24.9 4.7 0.1 32.4 8.6 3.5 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 0.000 0.895 0.731 0.821 0.859 0.500 0.885 0.792 0.765 90 742 218 1 1051 112 156 64 0 332 76 681 129 4 890 234 98 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 - 97.6 100.0 95.5 96.3 100.0 96.0 94.7 97.0 1 12 13 0 26 5 3 3 0 0 0 8 0 16 5 0 21 12 2 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0.0 - 2.4 0.0 2.2 3.7 0.0 2.3 4.9 2.0 0 13 0 0 13 0 0 13 0 0 0 0 0 0 0 0 16 0 0 16 1 1	SH 205	SH 205	SH 205

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 4



Turning Movement Peak Hour Data Plot (7:30 AM)

# GRAM Traffic NTX Inc. 1120 W. Lovers Lane

Arlington, Texas, United States 76013 817.265.8968

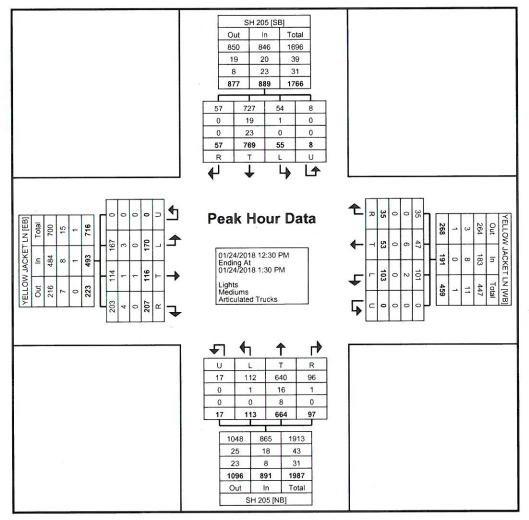
Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 5

Turning Movement Peak Hour Data (12:30 PM)

		· s	SH 205					OW JACH Vestbour				N	SH 205 Iorthbou		,			)W JACH			
Start Time	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	Int. Total
12:30 PM	17	178	7	2	204	34	14	10	0	58	26	149	15	8	198	40	28	49	0	117	577
12:45 PM	16	219	16	2	253	23	11	6	0	40	30	175	32	2	239	49	25	58	0	132	664
1:00 PM	13	173	19	3	208	22	20	12	0	54	28	153	25	5	211	41	30	57	0	128	601
1:15 PM	9	199	15	1	224	24	8	7	0	39	29	187	25	2	243	40	33	43	0	116	622
Total	55	769	57	8	889	103	53	35	0	191	113	664	97	17	891	170	116	207	0	493	2464
Approach %	6.2	86.5	6.4	0.9	-	53.9	27.7	18.3	0.0	2	12.7	74.5	10.9	1.9		34.5	23.5	42.0	0.0		-
Total %	2.2	31.2	2.3	0.3	36.1	4.2	2.2	1.4	0.0	7.8	4.6	26.9	3.9	0.7	36.2	6.9	4.7	8.4	0.0	20.0	-
PHF	0.809	0.878	0.750	0.667	0.878	0.757	0.663	0.729	0.000	0.823	0.942	0.888	0.758	0.531	0.917	0.867	0.879	0.892	0.000	0.934	0.928
Lights	54	727	57	8	846	101	47	35	0	183	112	640	96	17	865	167	114	203	0	484	2378
% Lights	98.2	94.5	100.0	100.0	95.2	98.1	88.7	100.0		95.8	99.1	96.4	99.0	100.0	97.1	98.2	98.3	98.1	· · ·	98.2	96.5
Mediums	1	19	0	0	20	2	6	0	0	8	1	16	1	0	18	3	1	4	0	8	54
% Mediums	1.8	2.5	0.0	0.0	2.2	1.9	11.3	0.0	- 2	4.2	0.9	2.4	1.0	0.0	2.0	1.8	0.9	1.9		1.6	2.2
Articulated Trucks	0	23	0	0	23	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	32
% Articulated Trucks	0.0	3.0	0.0	0.0	2.6	0.0	0.0	0.0	-	0.0	0.0	1.2	0.0	0.0	0.9	0.0	0.9	0.0		0.2	1.3

# GRAM Traffic NTX Inc. 1120 W. Lovers Lane

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 6



Turning Movement Peak Hour Data Plot (12:30 PM)

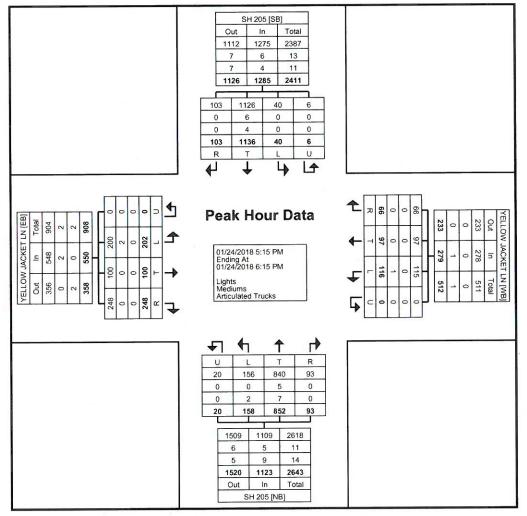
Arlington, Texas, United States 76013 817.265.8968

Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 7

Turning Movement Peak Hour Data (5:15 PM)

1												(-		,	0					
		SH 205				YELLO	DW JACI	KET LN				SH 205				YELLO	OW JACK	KET LN		
	S	outhbou	nd			٧	Vestbour	nd			N	lorthbou	nd			E	astboun	d		
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	Int. Total
10	236	22	2	270	20	33	10	0	63	48	206	18	2	274	53	25	67	0	145	752
8	282	20	1	311	38	32	17	0	87	37	207	18	3	265	53	33	71	0	157	820
10	278	33	2	323	27	14	23	0	64	27	204	29	5	265	56	21	48	0	125	777
12	340	28	1	381	31	18	16	0	65	46	235	28	10	319	40	21	62	0	123	888
40	1136	103	6	1285	116	97	66	0	279	158	852	93	20	1123	202	100	248	0	550	3237
3.1	88.4	8.0	0.5	-	41.6	34.8	23.7	0.0		14.1	75.9	8.3	1.8	-	36.7	18.2	45.1	0.0	-	-
1.2	35.1	3.2	0.2	39.7	3.6	3.0	2.0	0.0	8.6	4.9	26.3	2.9	0.6	34.7	6.2	3.1	7.7	0.0	17.0	-
0.833	0.835	0.780	0.750	0.843	0.763	0.735	0.717	0.000	0.802	0.823	0.906	0.802	0.500	0.880	0.902	0.758	0.873	0.000	0.876	0.911
40	1126	103	6	1275	115	97	66	0	278	156	840	93	20	1109	200	100	248	0	548	3210
100.0	99.1	100.0	100.0	99.2	99.1	100.0	100.0	-	99.6	98.7	98.6	100.0	100.0	98.8	99.0	100.0	100.0	-	99.6	99.2
0	6	0	0	6	0	0	0	0	0	0	5	0	0	5	2	0	0	0	2	13
0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	-	0.0	0.0	0.6	0.0	0.0	0.4	1.0	0.0	0.0	-	0.4	0.4
0	4	0	0	4	1	0	0	0	1	2	7	0	0	9	0	0	0	0	0	14
0.0	0.4	0.0	0.0	0.3	0.9	0.0	0.0		0.4	1.3	0.8	0.0	0.0	0.8	0.0	0.0	0.0	<b>.</b>	0.0	0.4
	10 8 10 12 40 3.1 1.2 0.833 40 100.0 0 0	Left Thru  10 236  8 282  10 278  12 340  40 1136  3.1 88.4  1.2 35.1  0.833 0.835  40 1126  100.0 99.1  0 6  0.0 0.5	Southbou	10 236 22 2 8 282 20 1 10 278 33 2 12 340 28 1 40 1136 103 6 3.1 88.4 8.0 0.5 1.2 35.1 3.2 0.2 0.833 0.835 0.780 0.750 40 1126 103 6 100.0 99.1 100.0 100.0 0 6 0 0 0.0 0.5 0.0	Southbound   Left   Thru   Right   U-Turn   App. Total	SH 205   Southbound   Left   Thru   Right   U-Turn   App.   Left     10   236   22   2   270   20     8   282   20   1   311   38     10   278   33   2   323   27     12   340   28   1   381   31     40   1136   103   6   1285   116     3.1   88.4   8.0   0.5   -   41.6     1.2   35.1   3.2   0.2   39.7   3.6     0.833   0.835   0.780   0.750   0.843   0.763     40   1126   103   6   1275   115     100.0   99.1   100.0   100.0   99.2   99.1     0   6   0   0   0   6   0     0.0   0.5   0.0   0.0   0.5   0.0     0   4   0   0   4   1	SH 205 Southbound  Left Thru Right U-Turn App. 10 236 22 2 2 270 20 33 8 282 20 1 311 38 32 10 278 33 2 323 27 14 12 340 28 1 381 31 18 40 1136 103 6 1285 116 97 3.1 88.4 8.0 0.5 - 41.6 34.8 1.2 35.1 3.2 0.2 39.7 3.6 3.0 0.833 0.835 0.780 0.750 0.843 0.763 0.735 40 1126 103 6 1275 115 97 100.0 99.1 100.0 100.0 99.2 99.1 100.0 0 6 0 0 0 6 0 0 0 0.5 0.0 0.0 0.5 0.0	SH 205 Southbound  Left Thru Right U-Turn App. 10 236 22 2 2 270 20 33 10 8 282 20 1 311 38 32 17 10 278 33 2 323 27 14 23 12 340 28 1 381 31 18 16 40 1136 103 6 1285 116 97 66 3.1 88.4 8.0 0.5 - 41.6 34.8 23.7 1.2 35.1 3.2 0.2 39.7 3.6 3.0 2.0 0.833 0.835 0.780 0.750 0.843 0.763 0.735 0.717 40 1126 103 6 1275 115 97 66 100.0 99.1 100.0 100.0 99.2 99.1 100.0 100.0 0 6 0 0 0 6 0 0 0 0 0.0 0.5 0.0 0.0 0.5 0.0 0.0 0.0 0 4 0 0 0 4 1 0 0	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 8



Turning Movement Peak Hour Data Plot (5:15 PM)

ary	
HCM 2010 Signalized Intersection Summ	1: SH 205 & Yellowjacket Ln

Existing AM.syn

Existing Midday.syn

HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln 769 769 769

183

Lane Configurations Traffic Volume (veh/h) Future Volume (veh/h)

Movement EBL  Lane Configurations  Landic Volume (vehln)  247  Traffic Volume (vehln)  7  Number  7  Ad Sat Flow, vehln  7  Ad Sat Flow, vehln  7  Ad Sat Flow, vehln  7  22  22  24  Cary Volume(v), vehln  7  315  Arrive On Green  7  7  7  7  7  7  7  7  7  7  7  7  7	101 101 101 113 113 12 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	153 153 1453 140 100 100 172 0 0 0 0.89 2 2 2 2 2 2 1101 1101 261 1101 1101 1101 1101 1109 117.9 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.	MBL 117 117 117 1100 1100 131 131 131 159 0.14 1169 159 159 159	444 159 159 169 160 179 179 179 179 179 179 179 179 179 179	MBR 64 64 64 18 0 11.00 11.00 1900 1900 0.89 2 2 2 95 0.14 180 1740 111.9 111.9	NBI 80 80 80 80 100 1100 1100 1100 11774 30 30 30 30 30 30 1100 11774	NBT 713 713 713 713 713 713 713 713 713 713	NBR 134 134 130 100 100 151 151 0 0 0 89 0.89	SBI 292 92 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	767 767 767 0	231 231 16 0
	101 101 100 100 1863 113 2 2 2 2 0 89 0 197 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	153 153 14 0 1.00 1.00 172 0.89 0.89 22 212 212 0.19 1101 17.9 17.9 17.9	117 117 1100 1100 1100 1100 1100 1100 1	159 159 159 8 8 8 8 0 140 179 179 2 2 2 2 2 2 2 2 2 2 3 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	64 64 118 0 11.00 11.00 72 0 0 0.89 95 0.14 697 11.9	80 80 80 80 100 1100 1100 1100 11774 320 0005 11774 330 330 330	713 713 713 713 713 713 713 713 713 713	134 134 134 1400 1400 151 151 151 151 151 151 151 151 151 1	92 92 1.00 1.00 1.00	444 767 767 0	231 231 16 0
	101 100 100 1863 113 12 2 2 2 2 2 137 0 19 0 19 0 19 0 19 0 19 0 19 0 19 0 1	153 144 0 0 1.00 1.00 172 0 0.89 0 0.89 172 2 2.12 2 2.12 0 0.19 1101 17.9 17.9 17.9	117 117 1100 1100 1100 131 1000 1100 110	159 8 8 8 8 8 159 170 179 179 179 0.14 1678	64 64 118 0 11.00 11.00 72 0 0 0 0 0 0 0 14 69 7 174 0 11.9	80 80 80 100 11.00 11.00 11.00 11.00 1774 1774 1774 1774 1774 1774 1774 17	713 713 713 713 713 713 801 801 801 801 804 804 804 804 804 804 143 14.3	134 134 134 1300 1300 1300 151 0 0 0 89 0 0 48	92 1.00 1.00	767 767 0	231
	101 1.00 1.83 1.37 1.37 0.19 0.00 0.00	153 14 14 100 1100 172 172 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	117 1100 1	159 8 8 1100 1100 1863 179 2 2 2 2 2 2 2 2 167 167 167 167 167 167	64 1100 1100 1100 1100 1100 1100 1100 11	80 1.00 1.	713 2 0 0 1.00 1863 801 3 0.89 2 2 2 2060 048 4305 630 14.3 14.3	134 1.00 1.00 1.00 1.50 0.89 0.89 0.48	0 1.00	767	16
	100 1.00 1.00 1.00 1.00 1.00 1.00 1.00	14 0 1.00 1.00 172 0 0.89 2 2 2 212 2 12 2 1101 1101 17.9 17.9	3 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,0	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	180 1.00 1.00 1900 72 0.89 2.2 95 0.14 697 180 11.9	100 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.863 801 3 0.89 2 2 2.060 0.48 4305 630 1695 14.3	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	- 0 0 0	00	0 0
	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	100 100 172 172 0 0 0 0.89 2 2 2 2 2 2 112 0 0.19 1101 17.9 17.9 17.9	1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00	1.00 179 179 2.22 2.29 0.14 1678	100 100 100 100 100 100 100 100 100 100	100 100 1100 1863 90 90 1008 2 2 320 0.05 1774 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	1.00 1.83 3 0.89 2 2 206 0 48 4305 630 1695 14.3	1.00 1.00 1.00 1.00 1.00 0.89 0.89	1.00	0	0
	1.00 1863 113 2 2 2 0.89 0.19 711 0 0 0	1,00 1900 172 0 0.89 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 2 2 1	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 179 179 2.29 0.14 1678	1,00 1900 72 0.89 0.89 95 0.14 697 180 11.9	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 11863 801 3 0.89 2 2 2060 0.48 4305 630 143 14.3	1.00 1.00 1.00 1.00 0.89 0.89 0.48	1.00		
	1,000 1,000	1900 1900 172 0.89 212 212 0.19 1101 1701 17.9 17.9 0.66 3.21	1.00 131 131 159 169 169 169 180 180 180 180 180 180 180 180 180 180	1.00 179 179 2 229 0.14 1678	1,000 72 72 0 0 0 0.89 2 95 95 0.14 697 11.9	1,00 1863 90 10.89 320 1,00 1,00 1,00 1,00 1,00	1,00 1863 801 3 0,89 2 2060 0,48 4305 630 14,3 14,3	150 151 0.89 0.89 0.48	3	000	1.00
	113 113 113 113 113 113 113 113 113 113	19900 172 0.89 2.12 2.12 0.19 1101 2.61 17.9 17.9 17.9 17.9 17.9	1900 131 131 159 0.14 1169 202 202 1804	1863 179 2 0.89 0.14 1678 0 0	1900 72 0 0.89 2 95 0.14 697 1740 11.9	1863 90 10.89 320 1774 90 1774 3.0 3.0	801 801 2 2060 0.48 4305 630 14.3 14.3	151 151 0.89 386 0.48		1.00	1.00
	0.0 0.0 0.0 0.0 0.0	1/2 0.89 2.12 2.12 0.19 1101 261 17.9 17.9 17.9 0.66 3.21	0.89 0.89 159 0.14 1169 202 202 1804	0.00 0.00 0.14 1678	0.89 2 95 0.14 697 1740 11.9	90 1 2 320 0.05 1774 90 1774 3.0 3.0	801 3 0.89 2 2060 0.48 4305 630 1695 14.3	0.89 0.89 386 0.48	1863	1863	1900
	0.0 0.0 0.0 0.0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.89 0.14 1169 202 1804	2 229 229 0.14 1678 0	0.89 2 95 0.14 697 1740 11.9	0.89 320 0.05 1774 90 1774 3.0 3.0	2 2060 0.89 0.48 4305 630 1695 14.3	0.89	103	862	260
	0.0 0.0 0.0 0.0	2.2 2.12 0.19 1101 261 1668 17.9 17.9 0.66	0.89 159 1169 202 1804	0.89 0.14 1678 0 0	0.89 2 95 0.14 697 1740 11.9	0.89 320 0.05 1774 1774 3.0 3.0	0.89 2 2060 0.48 4305 630 1695 14.3	386		2	9
	137 0.19 0.0 0.0	212 0.19 1101 261 1668 17.9 17.9 0.66 321	202 1804	229 0.14 1678 0 0 0	95 95 0.14 697 180 1740 11.9	320 0.05 1774 90 1774 3.0 3.0	2060 2060 0.48 4305 630 1695 14.3	386	0.89	0.89	0.89
	0.0	212 0.19 1101 261 1668 17.9 17.9 0.66 321	159 0.14 1169 202 1804	0.0 0.0 0 0 0 0 0 0 0	95 0.14 697 180 1740 11.9	320 0.05 1774 90 1774 3.0 3.0	2060 0.48 4305 630 14.3 14.3	386	2	7	7
	0.0	0.19 1101 1668 17.9 17.9 0.66 321	0.14 1169 202 1804	0.14 0 0 0 0.0	0.14 697 180 1740 11.9	90 90 1774 3.0 3.0	0.48 4305 630 1695 14.3	0.48	371	1875	563
	0.0 0.0	261 1668 17.9 17.9 0.66 321	1169 202 1804	0.0	180 1740 11.9 11.9	3.0 3.0 3.0 3.0 1.00	630 1695 14.3 14.3	000	90.0	0.48	0.48
	0 0 0 0	261 1668 17.9 17.9 0.66 321	202	0 0 0 0	180 1740 11.9 11.9	90 1774 3.0 3.0 1.00	630 1695 14.3	908	1774	3882	1165
	0.00	1668 17.9 17.9 0.66 321	1804	0.0	1740	3.0	1695 14.3	322	103	752	370
	0.0	17.9 17.9 0.66 321	404	0.0	11.9	3.0	14.3	1721	1774	1695	1657
	0.0	17.9 0.66 321	10.1	00	11.9	3.0	14.3	14.4	3.4	17.7	17.8
		321	13.1	0.0		1.00		14.4	3.4	17.7	17.8
	•	321	0.65		0.40	Contraction of the last		0.47	1.00		0.70
p(c), veh/h	0	0.81	246	0	237	320	1623	823	371	1637	800
	00.00		0.82	00.0	92.0	0.28	0.39	0.39	0.28	0.46	0.46
ۍ پ	0	366	426	0	410	444	1623	823	205	1637	800
HCM Platoon Ratio 1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Jpstream Filter(I) 1.00	0.00	1.00	1.00	00.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh 47.1	0.0	46.4	50.4	0.0	49.9	15.4	20.0	20.1	14.8	20.6	20.7
ncr Delay (d2), s/veh 17.4	0.0	10.2	5.6	0.0	1.9	0.2	0.7	1.4	0.1	6.0	1.9
nitial Q Delay(d3),s/veh 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
eh/ln	0.0	9.2	6.7	0.0	5.9	1.5	8.9	7.1	1.7	8.5	8.5
nGrp Delay(d),s/veh 64.5	0.0	56.5	53.0	0.0	51.8	15.6	20.7	21.5	15.0	21.6	22.6
nGrp LOS E		ш	D		O	8	O	O	В	O	O
Approach Vol, veh/h	563	Sept.		382	7800	557 m	1042	100.00		1225	
Approach Delay, s/veh	8.09			52.4			20.5			21.3	
Approach LOS	ш			0			ပ			O	
imer 1	2	3	7	2	9	7	89				
Assigned Phs 1	2		4	2	9		80				
G+Y+Rc), s	61.0		27.8	9.6	61.5		21.1				
	* 5.1		5.7	. 4.8	* 5.1		5.7				
s.	* 32		25.3	* 13	. 33		27.3				
	16.4		21.8	5.0	19.8		15.1				
	0.7		0.3	0.0	0.7		0.3				
Intersection Summary											
		27.70									
HCM 2010 Ctrl Delay		31.7				-					
HCM 2010 LOS		ی									

170 7 0 1100 1100 1100 1100 1136 1

NBT 664 664 664 664 664 664 0.0 3 3 0.93 2222 2222 0.50 0.50 0.449 6.449

Number Initial Q (Qb), veh Ped-Bite Adj(A\_pbT) Parking Bus, Adj Adj Sat Flow, vehh/lin Adj Flow Rate, vehh Adj No of Lanes Peak Hour Factor

1692 0.32 1692 11.00 11.00 14.9 0.0 4.5 15.4 15.0 15.0

0.00

0.00

Percent Heavy Veh. %
Cap. veh.h
Arrivo On Green
Sat Flow, veh.h
Grp Volume(v), veh.h
Grp Sat Flow(s), veh.h
Grp Sat Flow(s), veh.h
Grp Sat Flow(s), veh.h
Grp Caeri(g.-g), s
Prop In Lane
Grp Caeri(g.-g), veh.h
VIC Ratio(X)
Avail Cap(c.-a), veh.h
HCM Planton Ratio
Upstream Filter(1)
Uniform Delay (d.2), siveh
Innia Ot Delay(d.3), siveh
Innia Ot Delay(d.3), siveh
Innia Delay (d.3), siveh
Approach Vol. vehl
Approach Delay, siveh
Approach Delay, siveh
Approach LOS

8 8 13.9 8.1 0.1 0.1

. 52.1 . 5.1 . 29 . 29 . 29 . 0.5

5.4.8 6.2 5.8 0.0

23.6 5.7 21.3 17.6 0.3

> 3.8 3.8 0.0

Change Period (Y+Rc), s Max Green Setting (Gmax), s Max Q Clear Time (g\_c+1), s Green Ext Time (p\_c), s

Phs Duration (G+Y+Rc), s

206 15.4 D

531 49.8 D

Synchro 9 Report

+:\T1149.21 - Rockwall CFA TIA\Synchro\Existing Midday.syn

24.8 C

HCM 2010 Ctrl Delay HCM 2010 LOS Synchro 9 Report

H:\T1149.21 - Rockwall CFA TIA\Synchro\Existing AM.syn

			230						500.1	_							_								- 14		- 300	22						-				
Lsyn	<b> </b>	SBR		103	16	0	1,00	0001	113	0 3	0.91	208	0.48	430	1787	25.0	25.0	0.24	0.54	866	100	74.5	2.4	0.0	12.9	0	Q											poort
Existing PM.syn	>		4	1136	9	0	6	1863	1248	8 3	ر د	2302	0.48	4747	1695	25.0	25.0	,,,,	0.54	1644	1,00	74.5	1.3	0.0	11.9	0.0	1412	25.8 C		Sheet								Synchro 9 Report
ŵ	عر	SBL	<i>y</i> :	46		0	1.00				ر ۱	345			1774	1.9	1.9	1.00	0.15	540	1.00	16.7	0.1	0.0	0.9	B B												Syr
	4	NBR		5 6	12		90.			0	0.91	264	0.52	506	35/	16.4	16.4	0.29	924	924	1.00	19.5	17	0.0	8.4	CC												
	-	NBT	4	852	2	0	9	1863	936		16.0		0.52	1658	1695	16.4			0.39	1767	1.00	10.5	9.0	0.0	7.8	C	1234	20.2 C	00	∞	19.9	20.3	14.1	0.2				
	1	NBI		178	2	0	100				0.91				196	7.1	7.1		313	443	1.00	18.9	0.8	0.0	3.5	e e			7									
	1	WBR		99	18	0	1.00	00.1	73			97	0.11	865	144	111	11.1	0.51	191	268	1.00	7.00 58.6	4.2	0.0	5.5	0.2.0 E			æ	9	69.5	* 44	27.0	8.0				
	Ţ	WBT	<b>\$</b>	16	8	0	9	1.00	107	2 5	0.91	139	0.11	1238	0 0	00	0.0	,	000	0	1.00	00.0	0.0	0.0	0.0	00	307	65.0 F	uc	2	14.0	. 19	9.1	0.1				
	1	WBL		116	က	0	1.00	1900	127	0	0.91	157			163	12.1	12.1	0.78	707	281	1.00	200	7.9	0.0	6.4	е. ш			4	4	32.5	31.3	26.4	0.4				
	1	EBR		248	14	0	1.00	1900	273	0	0.91	324	0.20	1583	273	22.5	22.5	1.00	324	376	1.00	1.00	12.6	0.0	11.0	о. н			6	No. of London					ı,	34.5		PM.syn
	1	EBT	4	9 0	4	0	90,	1.00	110	2 5	0.91	122	0.20	597	0 0	00	0.0	i.	0 00	0	1.00	00.0	0.0	0.0	0.0	0.0	605	68.2 F	6	2	74.5	. 24	18.4	8.0				\Existing
ket Ln	4	EBL		202	7	0	1.00	1.00	222	0	0.91	246			332	24.4	24.4	0.67	369	428	1.00	1.00	18.4	0.0	14.1	7.17 E				-	9.1	4.8	3.9	0.0				Al Synchro
1: SH 205 & Yellowjacket Ln		Vovement	ane Configurations	Iraffic Volume (veh/h)	Number		(Tdq		Adj Flow Rate, veh/h			Cap, veh/h				Orb Sat Flow(s), veninim	s'(ɔ-		Lane Grp Cap(c), veh/h	a), veh/h	HCM Platoon Ratio	Jpstream Filter(I)	ncr Delay (d2), s/veh	nitial Q Delay(d3), s/veh	%ile BackOfQ(50%),veh/lin	Indro Delay(d), swen	Approach Vol, veh/h	Approach Delay, s/veh	imer.	Assigned Phs		Change Period (Y+Rc), s Max Green Setting (Gmax) s		Green Ext Time (p_c), s	ntersection Summary	HCM 2010 Ctrl Delay	Notes	H.YT1149.21 - Rockwall CFA TIAISynchrolExisting PM.syn

HCM 2010 Signalized Intersection Summary

1: SH 205 & Yellowjacket Ln

1

BO 2019 Background AM.syn

SS \$ 805 805 805 805

0 1.00 291

0 1.00 1.00 1.00 1.00

HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln.

BO 2019 Background Midday.syn	
205 & Yellowjacket Ln	

March Colores   Feb.   Feb.   Well		٩	1	P	6	Ļ	1	•	-	L	A	+	•
179   122   217   108   56   37   137   697   66   607     7	Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
179   122   217   108   56   37   137   697   102   66   807     7	Lane Configurations		4			414		E.	444		N.	441	
179   122   217   108   56   37   137   697   102   66   807     7	Traffic Volume (veh/h)	179	122	217	108	99	37	137	269	102	99	807	9
100	Future Volume (veh/h)	179	122	217	108	26	37	137	269	102	99	807	9
100	Number	7	4	14	3	00	18	2	2	12	-	9	16
100	Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	
100   100	Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900	Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
192   131   233   116   60   40   147   749   110   71   868   10   2   0   0   0   2   0   0   1   3   0   0   0   0   0   0   0   0   0	Adj Sat Flow, veh/h/ln	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1900
0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Adj Flow Rate, veh/h	192	131	233	116	09	40	147	749	110	71	898	65
0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	Adj No. of Lanes	0	2	0	0	2	0	-	3	0	-	3	Ī
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
223 154 291 168 99 66 417 2190 319 421 2278 102 020 020 020 009 007 049 049 049 049 1040 1137 784 1485 1774 1044 689 1774 4484 683 1774 4829 186 0 1601 1774 1044 689 1774 4829 1777 1774 1695 1777 1774 1774 1774 1774 1774 1774 177	Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	
137   784   4485   1774   1044   658   1774   4484   653   1774   4882   833   1774   4882   833   1774   4882   833   1774   4882   833   1774   4882   833   1774   4882   833   1774   8382   1888   0   1651   1774   0   1774   1695   1777   1774   1695   1777   1774   1695   1777   1774   1695   1777   1774   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   17	Cap, veh/h	223	154	291	168	66	99	417	2190	319	421	2278	170
1137   784   1485   1774   1044   696   1774   4484   653   1774   4829   1808   180	Arrive On Green	0.20	0.20	0.20	60.0	60.0	60.0	0.07	0.49	0.49	90.0	0.47	0.47
1806   0   251   116   0   147   565   294   71   609     1806   0   1601   1774   103   174   1695   1747   174   1895     163   0.0   150   6.3   0.0   5.5   4.1   10.2   10.4   2.0   116     16.3   0.0   15.0   6.3   0.0   5.5   4.1   10.2   10.4   2.0   116     16.3   0.0   15.0   6.3   0.0   5.5   4.1   10.2   10.4   2.0   116     16.3   0.0   15.0   0.0   0.0   0.0   0.0   0.3     16.3   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0     10.0   0.0   0.0   0.0     10.0	Sat Flow, veh/h	1137	784	1485	1774	1044	969	1774	4484	653	1774	4829	360
1806	Grp Volume(v), veh/h	305	0	251	116	0	100	147	565	294	71	609	324
16.3   0.0   15.0   6.3   0.0   5.5   4.1   10.2   10.4   2.0   11.6   0.0   0.5   0.3   0.0   0.5   4.1   10.2   10.4   2.0   11.6   0.0   0.5   0.0   0.5   4.1   10.2   10.4   2.0   11.6   0.0	Grp Sat Flow(s), veh/h/ln	1806	0	1601	1774	0	1740	1774	1695	1747	1774	1695	1799
16.3 0.0 15.0 6.3 0.0 5.5 4.1 10.2 10.4 2.0 11.6 0.3 3.4 0.0 15.0 6.3 0.0 5.5 4.1 10.2 10.4 2.0 11.6 0.3 3.4 0.0 3.3 168 0 10.0 10.0 10.0 10.0 10.0 10.0 1.0 10.0 1.0 1	Q Serve(g_s), s	16.3	0.0	15.0	6.3	0.0	5.5	4.1	10.2	10.4	2.0	11.6	11.0
0.63	Cycle Q Clear(g_c), s	16.3	0.0	15.0	6.3	0.0	5.5	4.1	10.2	10.4	2.0	11.6	11.6
354 0 313 168 0 165 417 1656 853 421 1600 4086 000 0.89 0.00 0.61 0.35 0.34 0.34 0.17 0.38 6 403 0.00 0.89 0.00 0.61 0.35 0.34 0.34 0.17 0.38 6 41 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Prop In Lane	0.63		0.93	1,00		0,40	1.00		0.37	1.00		0.20
0.86 0.00 0.80 0.66 0.06 1 0.35 0.34 0.34 0.17 0.38 1.40 0.10 0.10 0.10 0.10 0.10 0.10 0.10	Lane Grp Cap(c), veh/h	354	0	313	168	0	165	417	1656	853	421	1600	849
403 0 357 413 0 405 421 1656 853 455 1600 1.00 1.00 1.00 1.00 1.00 1.00 1.00	V/C Ratio(X)	0.86	0.00	0.80	69.0	0.00	0.61	0.35	0.34	0.34	0.17	0.38	0.38
100 100 100 100 100 100 100 100 100 100	Avail Cap(c_a), veh/h	403	0	357	413	0	405	421	1656	853	455	1600	849
1.00 0.00 1.00 1.00 0.00 1.00 1.00 1.00	HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
389 0.0 383 438 0.0 435 120 157 157 119 170 143 0.0 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
143 0.0 9.5 1.9 0.0 1.3 0.2 0.6 1.1 0.1 0.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Uniform Delay (d), s/veh	38.9	0.0	38.3	43.8	0.0	43.5	12.0	15.7	15.7	11.9	17.0	17.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Incr Delay (d2), s/veh	14.3	0.0	9.5	1.9	0.0	1.3	0.2	9.0	1.1	0.1	0.7	1.3
95 0.0 75 3.2 0.0 2.7 2.0 4.9 5.2 1.0 5.6 2.2 2.0 4.8 1.2 16.3 16.8 12.0 17.7 3.2 0.0 4.8 12.2 16.3 16.8 12.0 17.7 3.2 0.0 4.8 1.2 16.3 16.8 12.0 17.7 3.2 0.0 0.5 0.0	Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
532 0.0 478 457 0.0 448 122 163 168 120 17.7 56 56 56 58 45.3 168 120 17.7 56 56 58 45.3 168 120 17.7 56 50.8 45.3 16.8 120 17.5 50.8 45.3 16.8 12.0 17.5 50.8 17.5 50	%ile BackOfQ(50%),veh/ln	9.5	0.0	7.5	3.2	0.0	2.7	2.0	4.9	5.2	1.0	9.6	6.
566 216 1006 B B B B B B B B B B B B B B B B B B	LnGrp Delay(d),s/veh	53.2	0.0	47.8	45.7	0.0	44.8	12.2	16.3	16.8	12.0	17.7	18.
566 216 1006 508 45.3 1006 508 45.3 15.8 508 45.3 15.8 50	LnGrp LOS	۵		۵	۵		۵	В	В	В	В	В	٦
508 45.3 15.8  1 2 3 4 5 6 7 8  1 2 3 4 5 6 7 8  1 2 3 4 5 6 7 8  1 2 4 5 6 8 8  1 42 24.3 10.8 50.8 14.2  1, s 62 29 21.3 62 29 22.3  1), s 40 124 183 61 136 83  1, 0 0 0.5 0.2 0.0 0.5 0.2  C C	Approach Vol, veh/h		929			216			1006			1004	
1 2 3 4 5 6 7 7 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Approach Delay, s/veh		20.8			45.3			15.8			17.5	
1 2 3 4 5 6 7 1 2 4 5 6 7 9.1 524 24,3 15 8 6 1. 9.1 524 24,3 16 8 0.8 1), s 6.2 29 21,3 6.2 29 1), s 40 124 18,3 61 136 1), s 0.0 0.5 0.0 0.5 C	Approach LOS		٥			O			B			80	
1 2 4 5 6 6 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Timer	-	2	3	4	5	9	7	8				
9,1 52,4 24,3 108 50,8 4,8 5,1 5,7 4,8 5,1 3,8 6,2 29 21,3 6,2 29 3,8 4,0 12,4 18,3 6,1 13,6 3,9 0,0 0,5 0,0 0,5 C C	Assigned Phs	1	2	Mark Mark	4	5	9	Part of the	80		THE STATE OF		
748 51 57 448 51 3,8 62 29 213 62 29 3,8 40 124 183 61 136 0,0 0,5 0,2 0,0 0,5 C	Phs Duration (G+Y+Rc), s	9.1	52.4		24.3	10.8	8.09		14.2				
nax), s . 62 . 29 . 213 . 6.2 . 29	Change Period (Y+Rc), s	* 4.8	* 5.1		5.7	* 4.8	* 5.1		5.7				
s 0.0 0.5 0.2 0.0 0.5 C C C	Max Green Setting (Gmax), s	* 6.2	* 29		21.3	* 6.2	* 29		22.3				
s 0.0 0.5 0.2 0.0 0.5 25.7 C	Max Q Clear Time (g_c+11), s	4.0	12.4		18.3	6.1	13.6		8.3				
	Green Ext Time (p_c), s	0.0	0.5		0.2	0.0	0.5		0.2				
	Intersection Summary												
	HCM 2010 Ctrl Delay			25.7									
	HCM 2010 LOS			O									

67 67 11.00

123 123 123 100 100 100 100 1138 1145 1173 1

Traffic Volume (vehrh)
Number
Hunder
Hunder
Hunder
Hunder
Hunder
Hunder
Hunder
Hunder
Hand Q (Qb), veh
Parking Bus, Adj
Adj Start Fow, vehrh
Adj No of Lames
Percent Heavy Veh, %
Cap, vehrh
Amire On Green
Sat Fow, vehrh
Grip Volume(v), vehrh
Amire On Green
Sat Fow, vehrh
Grip Volume(v), vehrh
Grip Sat Fow(s), vehrh
Grip Volume(v), vehrh
Amire On Clentig, c), s
Prop In Lane
Cap Caleria
Sat Fow, vehrh
Holl Ration Ratio
Unform Ball od Saveh
Hunder
Lane Grip Caleria
Lane Logs
Logs Logs
Lugan
Lugan Delay(d); sveh
Lugan Logs
Lugan Logs

0 0 0 0

1.00 1863 842 3 0.89 2 1991 0.46 4308 662 1695 15.6

239 0.14 0.14

1.00 11863 119 2 0.89 0.20 713

790 1695 19.4

1584 0.50 1.00 1.10 1.1 1.1 0.0 9.3 23.3 C

0.00 0.00 0.00 0.00 0.00 0.00 0.00

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

1567 0.42 1.00 1.00 21.6 0.8 0.0 7.5 22.4 C

23.1

401 52.1 D

591 61.9 E

Approach Vol, veh/h Approach Delay, s/veh Approach LOS

8 21.7 5.7 27.3 15.7 0.3

6 59.7 \* 5.1 \* 33 21.5 0.7

28.8 5.7 25.3 22.8 0.2

\* 59.1 \* 32 17.8 0.7

Assigned Phs
Assigned Phs
Phs Duration (G+Y+Rc), s
Change Pentod (Y+Rc), s
Max Green Settin (Gmax), s
Max Q Clear Time (g\_c+Y1), s
Green Ext Time (p\_c), s

\* 4.8 5.8 0.0

H:\T1149.21 - Rockwall CFA TIA\Synchro\BO 2019 Background AM.syn

33.0 C

HCM 2010 Ctrl Delay HCM 2010 LOS

Synchro 9 Report

H:\T1149.21 - Rockwall CFA TIA\Synchro\BO 2019 Background Midday.syn

Synchro 9 Report

BO 2019 Background PM.syn C 1483 28.4 1.00 1863 984 3 0.91 2 2364 0.51 4653 716 17.9 17.9 187 187 177 100 11.00 11 .5.1 .44 .29.6 0.8 0.00 0. 33.7 5.7 5.7 31.3 27.6 0.3 HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln 36.3 \*5.1 \*44 20.0 0.8 69.2 E Ť Assigned Phs
Phs Duration (G+Y+Rc), s
Change Period (Y+Rc), s
Max Green Setting (Gmax), s Max Q Clear Time (g\_c+11), s Green Ext Time (p\_c), s Incr Delay (d2), siveh Initial Q Delay(d3),siveh %ile BackOf0(50%),veh/In LnGrp Delay(d),siveh Sat Flow, veh/h Grp Volume(V), veh/h Grp Sat Flow(s), veh/h/ln Q Serve(g\_s), s Cycle Q Clear(g\_c), s Prop in Lane Lane Grp Cap(c), veh/h V/C Ratio(X) hintial (Q (Db), veh
Peet-Bite AdiffA\_pbT)
Parking Bus. Adi Adi Satt Fow, vehinin
Adi Flow Rate, vehinin
Adi No of Lanes
Peek Hour Factor
Cap, vehini Approach Vol. veh/h Approach Delay, s/veh Approach LOS Upstream Filter(I) Uniform Delay (d), s/veh Lane Configurations Traffic Volume (veh/h) Future Volume (veh/h) HCM 2010 Ctrl Delay HCM 2010 LOS Avail Cap(c\_a), veh/h HCM Platoon Ratio

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nchro 9 Report

**APPENDIX** 

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BO 2019 Total AM.syn Synchro 9 Report 21 21 21 Stop None None - - - - 2 2 2 2 23 6.94 6.94 7.08 7.08 , , t. A , H\T1149.21 - Rockwall CFA TIAlSynchrolBO 2019 Total AM.syn Mnort 0 888 0 888 134 - 584 - 584 - 3.58 - 283 - 283 - 283 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 273 - 274 - 2 NB 12.3 B BR WBL - 993 - 0.024 - 8.7 - A - 0.1 44 490 490 490 0 Free None 0 0 92 2 2 2 533 HCM 2010 TWSC 3: Driveway 1 & Yellowjacket Ln NBLn1 EBT F 523 - 0.056 - 12.3 - B B - 0.2 4.14 993 WB 0.5 EBR WBL 5 0 0 Free None - . Movement EBT E
Lane Configurations Ather Tarlife Vol. wehth 526
Conflicting Peds, #fhr 0
Sign Control
R Channelized - Ne
Storage Length - Ne
Veh in Median Storage, # 0
Grade, % 0
Peak Hour Factor 92
Heary Vehicles, % 2
Mmnt Flow 572 Approach EB HCM Control Delay, s 0 HCM LOS 0.5 526 526 526 526 . Minor Lane/Major Minut Capacity (veh.h.) HOM Lane VIC Ratio HCM Control Delay (s) HCM Lane LOS HCM S5ti -%site Q(veh.) MajorMinor

Conflicting Flow All

Stage 1

Stage 1

Stage 2

Critical Hdwy Stg 1

Critical Hdwy Stg 2

Political Hdwy Stg 2

Political Hdwy Stg 2

Political Hdwy Stg 2

Stage 1

Stage 1

Stage 2

Platoon blocket, %

Mov Cap-1 Maneuver

Mov Cap-2 Maneuver

Stage 1

Stage 1 Intersection Int Delay, s/veh

	4	1	~	1	ţ	1	1	4	4	1	-	A
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		*			4		N-	441		-	444	
Traffic Volume (veh/h)	272	110	165	125	169	19	16	749	141	16	809	254
Future Volume (veh/h)	272	110	165	125	169	29	97	749	141	97	808	254
Number	- 0	4 0	4 0	e (	00 0	9 9	2	7	12	- 0	9 0	_
Initial Q (Qb), ven	9	>	9	0 0	0	9 6	9	0	9 6	9 6	>	2 6
Ped-bike Adj(A_pol)	8 8	1 00	100	9 0	1 00	9 6	1 00	1 00	8 8	3 5	100	9 6
Adi Sat Flow. veh/h/ln	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	306	124	185	140	190	75	109	842	158	109	606	285
Adj No. of Lanes	0	2	0	0	2	0	-	3	0	-	3	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	
Cap, veh/h	342	148	225	169	241	86	299	1955	365	346	1743	545
Arrive On Green	15.0	0.21	0.21	0.14	0.14	0.14	0.00	0.45	0.45	0.00	0.45	0.45
Sat Flow, venin	1649	۹۲/	1080	8/11	1682	689	4///	4308	804	4//1	3841	1200
Grp Volume(v), ven/n	1780		1671	1804	0 0	1742	1774	1605	1724	4774	1605	1651
O Servela s) s	217	00	19.5	13.9	00	126	38	15.9	16.0	3 8 7	20.3	200
Cycle Q Clear(g_c), s	21.7	0.0	19.5	13.9	0.0	12.6	3.8	15.9	16.0	3.8	20.3	20.4
Prop In Lane	0.93		0.65	99'0		0.39	1.00		0.47	1.00		0.73
Lane Grp Cap(c), veh/h	369	0	346	258	0	249	599	1539	781	346	1539	749
V/C Ratio(X)	06.0	0.00	0.82	0.83	00.00	92.0	0.36	0.43	0.43	0.31	0.52	0.52
Avail Cap(c_a), veh/h	390	0 0	366	425	0 0	411	410	1539	781	472	1539	749
HCM Platoon Katio	8.6	8 8	8 6	8 8	3 8	3 8	3 8	9 0	8.6	3 8	3 8	8 8
Uniform Delay (d), s/veh	46.3	0.0	45.5	50.0	0.0	49.5	17.4	22.2	22.3	16.4	23.4	23.5
Incr Delay (d2), s/veh	20.9	0.0	12.3	5.9	0.0	1.8	0.3	6.0	1.8	0.2	1.3	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vale BackOrd(50%), ven/in	67.2	0.0	57.7	52.0	0.0	513	17.6	22.1	0.8	16.6	7.47	9.8
LinGra LOS	я Н	3	- ш	D	9	0	8	O	O	8	O	3
Approach Vol. veh/h		615			405			1109			1303	
Approach Delay, s/veh		62.8			52.1			22.9			24.4	
Approach LOS		ш			0			O			O	
Timer	1	2	က	7	2	9	7	8				
Assigned Phs	-	2		4	5	9		80				1
Phs Duration (G+Y+Rc), s	10.5	58.1		29.6	10.5	58.1		21.9				
Change Period (Y+Rc), s	* 4.8	* 5.1		2.7	* 4.8	* 5.1		5.7				
		* 32		25.3	* 13	* 33		27.3				
Max Q Clear Time (g_c+11), s	5.8	18.0		23.7	5.8	22.4		15.9				
Gleen Ext time (p_c), s	0.0			7.0	0.0	50		0.0				
Intersection Summary												
HCM 2010 Ctrl Delay			, , ,									
			34.1									

H:T1149.21 - Rockwall CFA TIAlSynchrolBO 2019 Total AMsyn

Synchro 9 Report

10.4 NBT EBL1	0	89		684			uver 0 *684 0	1	. 7.14		/All 601 - 0 -	Major1 Major2	92 92 92 92 2 2 2 2 2	000	- None - None -	#fir 0 0 0 0 0 0 0 0 0 0 Stop Stop Free Free	18 <b>7 444 445</b> 0 11 0 987 1097 0 11 0 987 1097		BO 2019 Total AM.syn  1 - All major volume in platoon  Synchro 9 Report	EBR NBL NBT SBT 1097 1097 1097 1097 1097 1097 1097 1097
Minoro Majort Majoro 1984 10 1 1 0 987 1197 1197 1197 1197 1197 1197 1197	90	Namorz Majort Majorz 1984 10 1 1 0 987 1197 1197 1197 1197 1197 1197 1197	90	Stop Stop Free Free Free Free Free Free Free Fre	11 0 987 1997 11 0 987 1997 11 0 987 1997 190, 0 0 0 0 190,# 0 0 0 0 190,# 0 0 0 0 190,# 0 0 0 0 12 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 12 0 1073 1192 1 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100, 0 0 0 100,	1	11 0 987 1997 0 11 0 987 1997 0		Stop   Stop   Free	Stop   Stop   Free   Free	Stop   Stop	Is	1	1s	18	18 7 444 445 0 11 0 987 1097 0 11 0 987 1097				EBR NBL NBT SBT
EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	EBL RINEL MBT SET SET SET SET SET SET SET SET SET SE	EEL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	EBL RIBL NBL NBT SBT SBI	EBL EBR NBL NBT SBT SBI	EBL EBR NBL NBT SBT SBI	EBL EBR NBL NBT SBT 1887 1897 1997 1997 1997 1997 1997 1997	EBL   RBL   NBT   SBT	EBL   RBL   NBT   SBT	EBL   EBR   NBL   NBT   SBT	EBL   EBR   NBL   NBT   SBT	EBL   EBR   NBL   NBT   SBT	15. 1 Sept. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	EBL EBR NBL NBT SBT   SBT	EBL EBR NBL NBT SET 1881 0 11 0 987 1097 1097	EBL EBR NBL NBT SBT			0.1
## FBR NBL NBT SET SBI    1	10.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	D.1  EBI. EBR. NBI. NBT SET SBI. SBI. SET SBI. SBI. NBI. NBT SET SBI. SBI. NBI. NBT SET SBI. SBI. SBI. SBI. SBI. SBI. SBI. SBI.	0.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	0.1  EEL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	EBL EBR NBL NBT SBT SBT SBT   SBT	10.1  EBL EBR NBL NBT SBT	16. EBR NBL NBT SBT 17. 1.0 987 1097  17. 0 11 0 987 1097  18. 0 10 0 0 0  19. 0 0 0 0 0  19. 0 0 0 0 0  19. 0 0 0 0 0  19. 0 0 0 0  19	16. EBR NBL NBT SBT 17. MMT NBT SBT 18. NBT	16	10.1 18.	10.1  10.1	0.1  EBL EBR NBL NBT SBT  18 0 11 0 987 1097  Thr 0 0 0 0  Stop Stop Free Free  - None - None - None - None	0.1  EBL EBR NBL NBT SBT 18	0.1 EBL EBR NBL NBT SBT R	0.1 EBL EBR NBL NBT SBT			
0.1  EBL EBR NBL NBT SBT SBT SBT NBL NBT SBT SBT NBT NBT NBT NBT NBT NBT NBT NBT NBT N	10.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBL EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBI EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBI EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	10.1  EBI EBR NBL NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	0.1  EBI. EBR. NBI. NBT SBT  0.11 0.987 1097  0.0 10 0.0 0.0  Stop Stop Free Free  - None - 0.0 0.0  96,# 0.0 - 0.0 0.0  96,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 - 0.0 0.0  190,# 0.0 0.0  190,# 0.0 0.0	15	0.1  18	10.1 18	0.1  EBL EBR NBL NBT SBT  0 11 0 987 1097  fnr 0 0 1 0 987 1097  fnr 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.1  EBL EBR NBL NBT SBT  10 11 0 987 1097  Thr 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1  E.BL. E.BR. NBL. NBT SBT 1897  10 11 0 987 1097  11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 EBI. EBR. NBI. NBT. SBT. 18	0.1 EBL EBR NBL NBT SBT 187 1097 1097 1097 1097 1097 1097 1097 109	0.1 EBI EBR NBL NBT SBT		BO 2019 Total AM.syn	eway 2

BO 2019 Total Midday.syn Synchro 9 Report H:T1149.21 - Rockwall CFA TIAISynchrolBO 2019 Total Midday.syn 40 40 Stop None - - - 2 2 2 43 3.32 . . 00 . . . A 709 Minori 790 569 684 584 584 584 352 350 795 309 795 530 - 994 - 0.047 - 8.8 - A HCM 2010 TWSC 3: Driveway 1 & Yellowjacket Ln . 4.14 . 2.22 . 994 1.5 994 Approach EB
HCM Control Delay, s 0
HCM LOS Minor Lane(Major Munt Capacity (vehft) HCM Lane V/C Ratio HCM Control Delay (s) HCM Lane LOS HCM 185th %site Q(veh) MajoriMinor M.
Conflicting Flow All
Stage 1
Stage 2
Critical Holwy Sig 1
Critical Holwy Sig 2
Politown broket, %
Mov Cap-1 Maneuver
Mov Cap-2 Maneuver
Sigge 1
Sigge 1
Sigge 1 Intersection Int Delay, s/veh

Movement	Color   Colo	EBI EBI EBR WBI WGT WGR NBI NBT NBR SBI SBT SQ4 129 224 112 60 37 162 697 102 66 814 204 129 224 112 60 37 162 697 102 66 814 100 100 100 100 100 100 100 100 100 1	1. 3H 203 & Tellowjacket LII	acker	-									infortaneous man and and	a)
## Comparison	## EBL EBI EBR WELL WELL NBT NBL NBT NBR SBL SBT SCA 129 224 112 60 37 162 697 102 66 814 27 4 14 3 8 18 5 2 12 12 66 814 62 100 100 100 100 100 100 100 100 100 10	## Carry Car		4	1	1	1	ţ	1	1	4	4	1	-	A
10	204 129 224 112 60 37 162 697 102 66 814 204 129 224 112 60 37 162 697 102 66 814 2	100   100	Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	S
204         129         224         112         60         37         162         697         102         66         814           24         129         24         112         60         37         162         697         102         66         814           10         1         0	204 129 224 112 60 37 162 66 814 24 129 224 112 60 37 162 66 814 24 129 24 129 6 37 162 66 814 27 4 4 2 24 112 60 37 162 697 102 66 814 100 1.00 1.00 1.00 1.00 1.00 1.00 1.00	204         129         224         112         60         37         162         697         102         66         814           204         129         24         112         60         37         162         697         102         66         814           10         0	Lane Configurations		<del>1</del>			ţţ		<u></u>	444		-	444	
204         129         224         112         60         37         162         697         102         66         814           7         4         1         3         8         18         5         2         12         1         6         814           100	204 129 224 112 66 37 162 66 814  7	204 129 224 112 66 37 162 66 814  7	Traffic Volume (veh/h)	204	129	224	112	9	37	162	269	102	99	814	
1,00	100	100	Future Volume (veh/h)	204	129	224	112	9	37	162	697	102	99	814	
100	100 100 100 100 100 100 100 100 100 100	100 100 100 100 100 100 100 100 100 100	Number Initial O (Ok) wah	٠ .	4 C	4 0	m c	<b></b>	<u>ω</u> c	n c	NC	2 0	- 0	ی د	
1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00	Pod Bito Adi(A ph.T.)	100	>	9 6	9 6	>	100	100	>	9 0	9 6	>	-
1900   1863   1900   1900   1863   1900   1863   1863   1900   1863   1900   1863   1900   1863   1863   1900   2   2   3   4   1   2   3   4   1   1   3   1   3   2   4   1   2   3   2   3   2   3   3   3   3   3	1900   1863   1900   1900   1863   1900   1863   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1863   1390   139   241   120   65   40   174   174   110   71   875   2   2   2   2   2   2   2   2   2	1900   1863   1900   1900   1863   1900   1863   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1803   139   139   241   120   65   40   174   1749   110   71   875   12   2   2   2   2   2   2   2   2	Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
219         139         241         120         65         40         174         749         110         71         875           0         2         0         0         2         0         0         2         0         1         3         0         1         3         0         1         3         0         1         3         0         1         1         3         0         1         1         3         0         1         1         3         0         1         1         3         0         1         1         3         0         2	219 139 241 120 65 40 174 749 110 71 875 0 0 0 0 2 0 0 1 3 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	219 139 241 120 65 40 174 749 110 71 875 0.09 0.3 0.93 0.93 0.93 0.93 0.93 0.93	Adj Sat Flow, veh/h/ln	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	16
0 2 0 0 0 1 1 3 0 1 1	0 2 0 0 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 3	0 2 0 0 0 1 1 3 0 0 1 1 3 0 0 1 1 3 0 0 1 1 3 0 0 1 1 3 0 0 1 3 3 0 0 3 0 3	Adj Flow Rate, veh/h	219	139	241	120	65	40	174	749	110	71	875	
0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	0.93  0.93	Adj No. of Lanes	0	2	0	0	2	0	-	e	0	-	3	
250 162 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	25	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
250 162 288 172 105 64 400 2125 310 410 2138 1023 777 1422 1774 1080 685 1774 4844 683 1774 4689 172 1432 1774 1080 685 1774 4848 683 1774 4689 1774 1832 1774 1080 685 1774 4848 683 1774 4689 1803 0 1610 1774 1080 685 1774 4848 683 1774 4689 1776 0 160 66 0 0 58 50 105 105 106 20 124 176 0 160 6 6 0 0 58 50 105 106 20 124 1778 1895 1777 1835 1774 1895 1777 1778 1895 1777 1774 1895 1777 1778 1895 1777 1774 1895 1777 1778 1895 1777 1778 1895 1778 1778 1895 1777 1778 1895 1778 1778 1895 1777 1778 1895 1778 1778 1778 1778 1778 1778 1778 177	250 162 288 172 105 64 400 2125 310 410 2138 120 1202 1 0.21 0.10 0.10 0.10 0.08 0.47 0.47 0.06 0.46 1203 377 1432 1774 1080 685 1774 4844 683 1774 4699 1328 0 271 120 0 105 1774 4849 683 1774 4699 1400 0.00 1600 160 160 0.58 5.0 10.5 10.5 10.6 20 12.4 17.6 0.0 16.0 16.6 0.0 5.8 5.0 10.5 10.6 20 12.4 17.6 0.0 16.0 16.0 16.0 16.0 16.0 10.0 12.4 17.4 1895 17.4 1895 17.4 1895 17.4 1895 17.4 1895 17.4 18.5 17.6 0.0 16.0 16.0 16.0 16.0 10.0 12.4 17.8 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	250 162 288 172 105 64 400 2125 310 410 2138 1202 1202 1774 1020 685 1774 4844 6839 1774 1482 1774 1080 685 1774 4844 6839 1774 1482 1774 1080 685 1774 1484 1689 1774 1774 1689 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1774 1774 1774 1774 1774 177	Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	
0.21 0.21 0.21 0.21 0.10 0.10 0.00 0.47 0.47 0.47 0.46 0.44 0.45 0.45 0.45 0.45 0.45 0.45 0.45	0.21 0.21 0.21 0.21 0.10 0.10 0.08 0.47 0.47 0.47 0.46 0.44 0.32 0.21 0.21 0.21 0.10 0.10 0.10 0.10 0.1	0.21 0.21 0.21 0.21 0.10 0.10 0.08 0.47 0.47 0.47 0.46 0.44 0.32 0.21 0.21 0.21 0.10 0.10 0.10 0.08 0.47 0.47 0.47 0.46 0.44 0.32 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	Cap, veh/h	250	162	298	172	105	64	400	2125	310	410	2138	~
1203   777   1432   1774   1080   685   1774   4484   653   1774   4689   1803   0   610   1774   0   0   65   0   0   1774   0   0   0   0   0   0   0   0   0	1203   777   1432   1774   1080   665   1774   4484   653   1774   4689   1328   0   271   120   0   1015   1774   1685   1774   1689   1800   1774   0   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774	1203   777   1432   1774   1080   665   1774   4484   653   1774   4689   1328   0   271   120   0   1145   1774   1685   1774   1689   1800   0   1774   0   1774   1689   1774   1774   177	Arrive On Green	0.21	0.21	0.21	0.10	0.10	0.10	0.08	0.47	0.47	90.0	0.46	0
328 0 271 170 0 105 174 565 294 71 650 170 170 170 170 170 170 170 170 170 17	328 0 271 170 0 105 174 565 294 71 650 170 170 170 170 170 170 170 170 170 17	328 0 271 120 0 105 174 565 294 71 650 176 177 180 177 176 160 177 177 170 170 170 170 170 170 170 17	Sat Flow, veh/h	1203	111	1432	1774	1080	665	1774	4484	653	1774	4699	٦
1803   174   174   1805   147   147	176 00 1610 1774 0 1745 1774 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1747 1747 1895 1747 1747 1747 1747 1895 1747 1747 1747 1747 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1747 1747 1747 1747 174	150. 1 174 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1746 175 175 175 175 175 175 175 175 175 175	Grp Volume(v), veh/h	328	0 (	271	120	0	105	174	565	294	7	630	m !
17.6   0.0   10.0   0.0   0.0   0.3   0.0   0.	17.6   0.0   10.0   0.0   0.0   0.3   0.0   0.	17.6 0.0 16.0 6.6 0.0 5.8 5.0 10.5 10.6 2.0 12.4 0.67 0.89 1.00 0.38 1.00 0.37 1.00 0.81 0.0 0.81 0.0 0.38 1.00 0.37 1.00 0.82 0.0 0.81 0.0 0.0 0.38 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00	Grp Sat Flow(s),ven/h/in	1803	0 0	1610	1//4	0 0	1/45	1//4	1695	1/4/	1//4	1695	- 1
0.67	0.67	0.67	Cycle O Clear(a.c.) s	17.6	0.0	16.0	9.0	0.0	5.8	5.0	10.5	10.6	2.0	12.4	
3175 0 335 172 0 169 400 1607 828 410 1543  0.88 0.00 0.881 0.70 0.00 0.62 0.43 0.35 0.35 0.37 0.41  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	375 0 335 172 0 169 400 1607 828 410 1543  908 000 0811 070 000 062 043 035 036 071 041  100 100 1100 1100 1100 1100 1100	375 0 335 172 0 169 400 1607 828 410 1543 0 88 0.00 081 0.00 0.00 0.00 0.00 0.00	Prop In Lane	0.67		0.89	1.00		0.38	1.00		0.37	1.00		0.26
088 000 081 070 000 062 043 035 038 047 041 422 040 100 100 100 100 100 100 100 100 100	0.88 0.00 0.81 0.70 0.00 0.62 0.43 0.35 0.35 0.47 0.41 400 1.00 1.00 1.00 1.00 1.00 1.00	0.88 0.00 0.81 0.70 0.00 0.62 0.43 0.35 0.35 0.47 0.41 400 1.00 1.00 1.00 1.00 1.00 1.00	Lane Grp Cap(c), veh/h	375	0	335	172	0	169	400	1607	828	410	1543	810
402 0 359 413 0 407 400 1607 828 444 1543 100 100 100 100 100 100 100 100 100 10	402 0 359 413 0 407 400 1607 828 444 1543 100 100 100 100 1100 1100 1100 1100 1	402 0 359 413 0 407 400 1607 828 444 1543 1100 100 100 1100 1100 1100 1100 1100	V/C Ratio(X)	0.88	00.0	0.81	0.70	00.00	0.62	0.43	0.35	0.36	0.17	0.41	0.41
100 100 100 100 100 100 100 100 100 100	100 100 100 100 100 100 100 100 100 100	100 100 100 100 100 100 100 100 100 100	Avail Cap(c_a), veh/h	402	0	359	413	0	407	400	1607	828	444	1543	810
150   0.00   170	150   0.00   1	15.0 0.00 1.00 1.00 1.00 1.00 1.00 1.00	HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17.1 0.0 11.0 1.9 0.0 1.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	17.1 0.0 11.0 1.9 0.0 1.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	17.1 0.0 11.0 1.9 0.0 1.4 0.3 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Upstream Palay (d) shah	38.3	0.00	1.00	1.00 73.7	9.0	43.4	13.1	18.6	00.1	128	18.2	- 6
105 00 00 00 00 00 00 00 00 00 00 00 00 0	105 00 00 00 00 00 00 00 00 00 00 00 00 0	10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Incr Delay (d2), s/veh	17.1	0.0	11.0	1.9	0.0	1.4	0.3	9.0	1.2	0.1	0.8	
10.5	10.5	10.5	Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	_
5.54 0.0 488 45.6 0.0 448 133 17.2 17.8 12.9 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	Solution 1	Solution 1	%ile BackOfQ(50%),veh/lin	10.5	0.0	8.2	3.3	0.0	2.9	2.4	5.1	5.4	1.0	0.9	6.4
599 225 1033 524 45.2 16.7 8 1 2 3 4 5 6 7 8 5 9.1 51.0 25.5 11.0 49.1 14.4 5 14.8 5.1 5.7 4.8 5.1 5.7 10,1,5 4.0 12.6 19.6 7.0 14.5 8.6 11),5 4.0 0.6 0.2 0.0 0.6 0.2	599 225 1033 524 45.2 16.7 18.8 1 2 3 4 5 6 7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8	599 225 1033 52.4 45.2 16.7 B B B B B B B B B B B B B B B B B B B	LnGrp Delay(d),swen	25.4	0.0	8.8	45.6	0.0	8 4	13.3	71.7	8 /	12.9 D	19.0	-
52.4 45.2 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	52.4 45.2 16.7 16.2 16.7 16.2 16.7 16.2 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	52.4 45.2 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	Approach Vol. veh/h	u	500			205		٥	1033	٥	٥	1034	
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Adj Sat Flow, veh/h/ln	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	251	121	291	136	114	76	224	984	108	23	1316	134
Adj No. of Lanes	0	2	0	0	2	0	-	3	0	-	3	0
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	275	133	346	166	146	100	300	2315	254	315	2108	215
Arrive On Green	0.22	0.22	0.22	0.12	0.12	0.12	60.0	0.50	0.50	0.04	0.45	0.45
Sat Flow, veh/h	1235	298	1556	1411	1245	820	1774	4653	510	1774	4691	478
3rp Volume(v), veh/h	366	0	297	173	0	153	224	716	376	53	951	499
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2 Serve(g_s), s	27.0	0.0	24.3	12.8	0.0	11.8	8.7	18.3	18.4	2.1	29.2	29.2
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ane Grp Cap(c), veh/h	400	0	353	211	0	201	300	1687	882	315	1524	799
//C Ratio(X)	0.91	00.0	0.84	0.82	0.00	92.0	0.75	0.42	0.43	0.17	0.62	0.62
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ICM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Jpstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
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Major/Minor

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619

944

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Synchro 9 Report

**APPENDIX** 

HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln

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Jan. 22, 2018

The Honorable Mayor Jim Pruitt City of Rockwall Rockwall Texas

RE: 1902 S. Goliad, Rockwall, Texas 75087

Dear Mr. Mayor,

My firm, Dynamic Development Company (Dynamic), controls the property at the southwest corner of Goliad and Yellow Jacket in Rockwall. Dynamic is a leading single and multi-tenant retail development company with more than 50 years experience and offices in Santa Monica, Calif., Las Vegas and Dallas.

We primarily develop retail and mixed-use projects and work with national, regional and local retailers to create high-quality real estate development projects throughout the Southwest.

One of our strategic development partners, with which we have completed numerous restaurants, is Chick-Fil-A ("CFA"). At 1902 S. Goliad in Rockwall, our intent is to sell this property to CFA so they may construct a limited-service, drive-through-only restaurant.

As you may know, CFA is very successful on the south-west side of Rockwall, and this restaurant should provide Rockwall with another high-quality CFA, while relieving some of the demand on the existing restaurant. In addition, our Company is developing the former Johnny Carino's property at 819 E I-30 frontage road in Rockwall. We also are building a multi-tenant small shopping center and are proud to have Jason's Deli and Sleep Number as our anchor tenants there. That project should be completed by Fall of this year.

We were surprised and disappointed to see Mr. Mario Smajli stir up opposition to a CFA restaurant. I have been in the retail/food-service real estate development for more than 30 years and note that it is rare for there to be opposition to a CFA by a city or community. It just doesn't happen.

That is why I believe it is important that you and city council understand the events of last summer which potentially led to Mr. Smajli's actions and rhetoric at the Jan. 16 public hearing and the story behind his intent to block this new restaurant development. Here are the facts:

 During the summer of 2017, Mr. Smajli and I negotiated for several months his purchase of the subject property. I have written documentation of months of purchase offers and counter offers between Mr. Smajli and myself. He had every opportunity to purchase 1902 S. Goliad St. When he could not meet my asking price, I even offered to lease the property to Mr Smajli, but he would not lease. He insisted on only buying the property so he could build a restaurant on it;

Telephone:

M 214-662-5167

O: 940-2186684

www.dynanicdev.co.com



the same development Chick-Fil-A intends. I considered all his purchase offers, just as I do with other retailers. Unfortunately, Mr. Smajli's offers were <u>all well below</u> our asking price.

- Mr. Smajli had every opportunity to buy this property by meeting or exceeding the competitive offers that Dynamic had received. Mr. Smajli was simply unwilling to meet the asking sales price or meet the competitive offers that we had in hand.
- Mr. Smalji offers also indicated he was a "contingent buyer" requiring financing to close on the sale.
- Mr. Smajli indicated he was upset that he was unsuccessful in acquiring the subject property for the development of a new restaurant and has now turned to the City to block the CFA restaurant-related development that happens to be adjacent to his existing property.

I have reviewed the video of Mr. Smalji's testimony at the Jan. 16 city council meeting and believe he demonstrated he has an axe to grind over this proposed development. It appears Mr. Smajli is upset he was not able to come to terms with me and my company on lease or purchase terms for the subject property.

Common sense would indicate Mr. Smajli is concerned that another restaurant may out-position his Luigi's restaurant and create more competition. As you know, competition is good for Rockwall consumers, the free marketplace and for tax revenues. It's likely Mr. Smajli is responsible for recruiting the adjacent property and business owner and several residents to show up and voice opposition to this development project. While this is his prerogative, it is not in the best interest of the community there.

Chick-Fil-A is a leader in the quick-service restaurant industry and a pillar in the communities it serves. It is CFA's intent to design and build an attractive restaurant to serve the residents of the community, greatly improve the appearance of this blighted corner, and deliver maximum tax revenues for the people and the City of Rockwall. This CFA development would:

- provide numerous job opportunities
- create another attractive corner on Hwy 205 Goliad St. in Rockwall
- contribute sales tax revenue for the city, given CFA averages well above the industry average in restaurant sales annually
- add to the city's infrastructure of new assets meeting city guidelines and requirements
- be a catalyst for economic development as CFA attracts other restaurants and stores

I understand Chick-Fil-A has re-applied for approval. We sincerely hope that you as the Mayor and the Rockwall City Council understand what is behind Mr. Smajli's opposition and will review CFA's re-



application favorably. We firmly believe that doing so is the right thing for the residents, community and City of Rockwall.

Thank you for your time and consideration.

Best regards,

Daniel J. Porter, Vice President Dynamic Development Company

214-662-5167 Dan.porter@dynamicdevco.com

C.C.:

**City Council Members** 

Mr. Ryan Miller

# TRAFFIC IMPACT ANALYSIS FOR CHICK-FIL-A ROCKWALL, TEXAS

# Prepared for:

Wier & Associates, Inc. 2201 E. Lamar Blvd., Suite 200E Arlington, Texas 76006-7440

Prepared by:

3030 LBJ Freeway, Suite 1660 Dallas, Texas 75234 (972) 248-3006 TBPE Firm F-450



February 2018

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# INTRODUCTION

This traffic study was conducted to analyze the potential traffic impacts of the proposed Chick-fil-A which will be located on the southwest corner of the Goliad Street (SH 205) and Yellowjacket Lane intersection in Rockwall, Texas. A vicinity map of the study area is shown in **Figure 1** and a site plan for this facility is shown in **Figure 2**. The following elements were included in this study:

#### Data Collection

- Collected weekday AM, Midday and PM peak hour turning movement volumes at the Goliad Street (SH 205) and Yellowjacket Lane intersection on Wednesday, January 24, 2018.
- Obtained historical average daily traffic (ADT) volumes on roadways in the study area.
- Obtained the proposed site plan, information related to planned roadway improvements, and other relevant information.

#### Traffic Analysis

- Assessed the general accessibility of the site.
- Estimated the number of trips that will be generated by the proposed development.
- Estimated the directional distribution of traffic approaching / departing the proposed development.
- Assigned the estimated traffic to the street network.
- Performed capacity analyses for the critical intersections within the study area.

#### Recommendations

• Determined if any roadway improvements are needed to accommodate projected traffic generated by the proposed development.

#### Documentation

• Prepared a report documenting the study procedures and results.

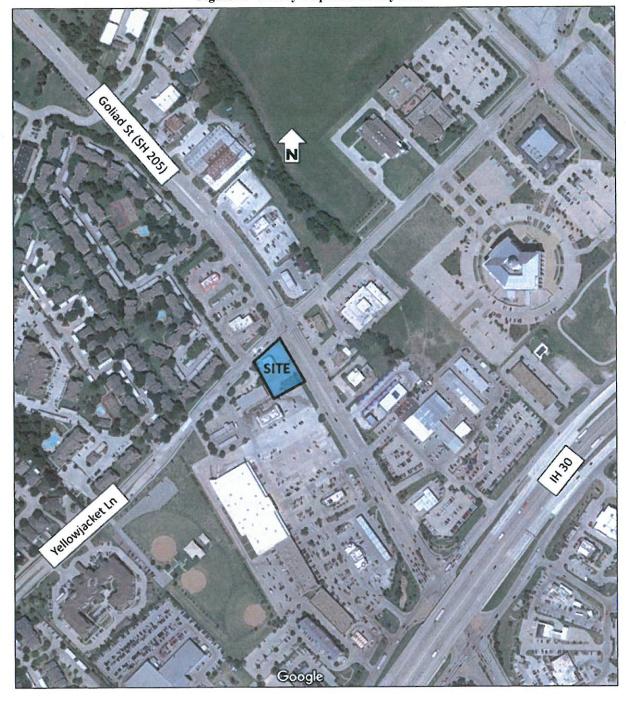
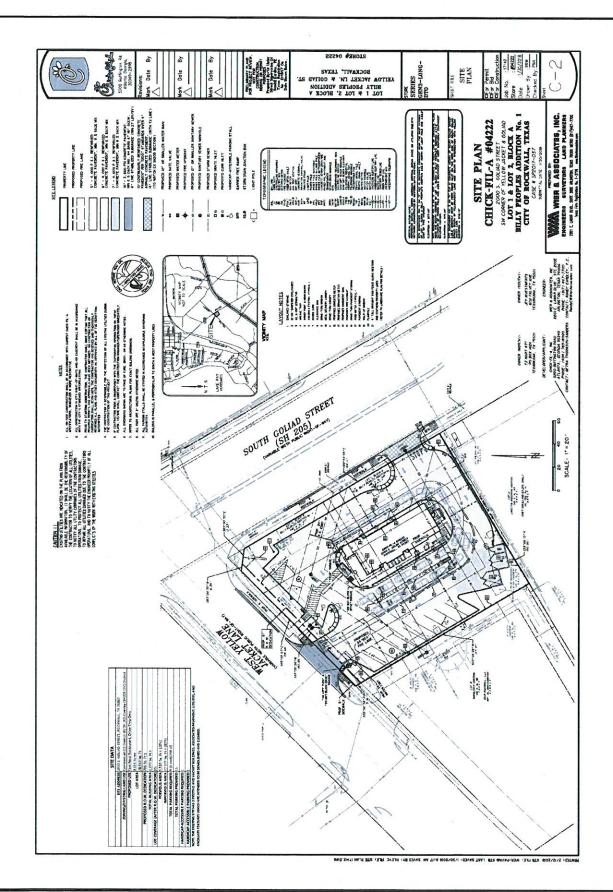


Figure 1: Vicinity Map of the Study Area



## SITE ACCESSIBILITY

Site accessibility describes the ease with which vehicles can get to and from a development. A site's accessibility is affected by the geographical location of the development with respect to other activity areas, the roadway system and physical restraints such as rivers or lakes.

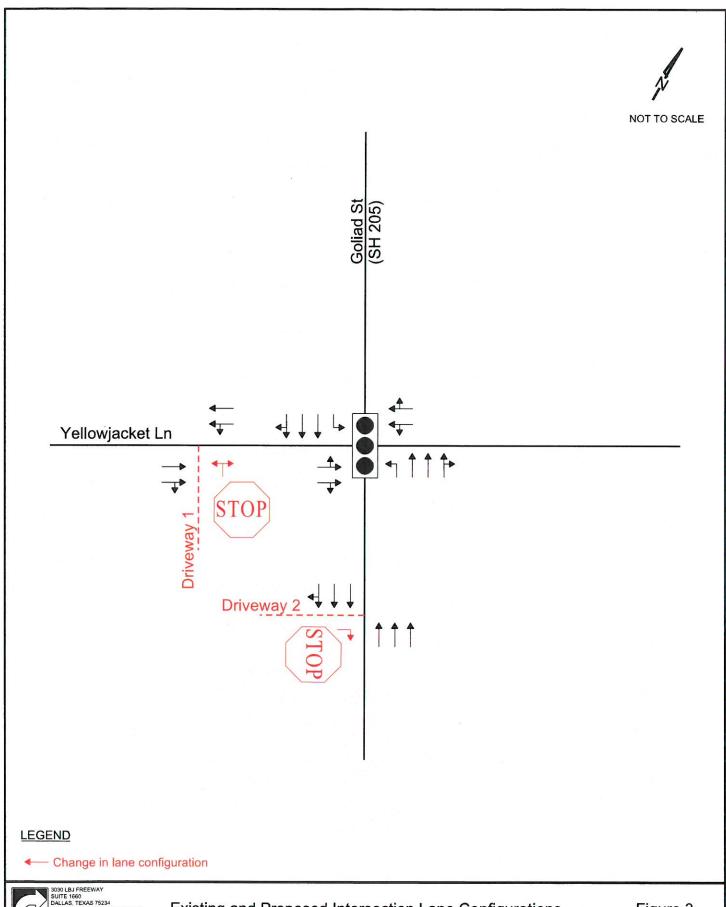
Access to the Chick-fil-A development will be provided by:

- One full access driveway along Yellowjacket Lane approximately 110 feet west of Goliad Street (SH 205)
- One right-in/right-out only driveway on Goliad Street (SH 205) approximately 170 feet south of Yellowjacket Lane.

The existing lane configurations for the roadways and the critical intersection within the study area are provided in **Figure 3**. This figure also shows the new driveways for the Chick-Fil-A development. A description of the study area roadways includes:

Yellowjacket Lane – Yellowjacket Lane borders the proposed Chick-fil-A development to the north and is a four-lane undivided roadway with a posted speed limit of 35 miles per hour (mph) at the intersection with Goliad Street (SH 205). Yellowjacket Lane widens to a four-lane divided section approximately 800 feet west of Goliad Street (SH 205). Yellowjacket Lane is designated as a Major Collector 4 lane Divided (M4D) roadway in the City of Rockwall Thoroughfare Plan.

Goliad Street (SH 205) – Goliad Street (SH 205) borders the proposed facility to the east and currently exists as a six-lane divided roadway with a posted speed limit of 40 miles per hour (mph). Goliad Street (SH 205) is designated as a Principal Arterial 6 Lane Divided (P6D) roadway in the City of Rockwall Thoroughfare Plan. Goliad Street (SH 205) is currently at its ultimate roadway configuration.



# TRAFFIC VOLUMES

## Existing Traffic Volumes

Existing weekday AM (7:00-9:00), Midday (11:30 AM - 1:30 PM) and PM (4:00-6:00) peak period turning movement volumes were collected at the existing intersection of Goliad Street (SH 205) and Yellowjacket Lane on Wednesday, January 24, 2018. **Figure 4** shows the existing (2018) peak hour intersection turning movement volumes and the raw traffic count data is provided in the Appendix.

# Background Traffic Volumes

Historical 24-hour traffic volumes in the study area were obtained from TxDOT traffic count maps and are presented in **Table 1**.

Location Year SH 205 - (N of IH 30) 27,000 2011 2012 27,000 26,795 2013 26,180 2014 28,604 2015 2016 32,907 Average Annual Growth 5.1%

Table 1: TxDOT Historical Daily Traffic Counts

The traffic volumes in Table 1 show that traffic on SH 205 north of IH 30 has increased at an average annual rate of approximately five percent (5%).

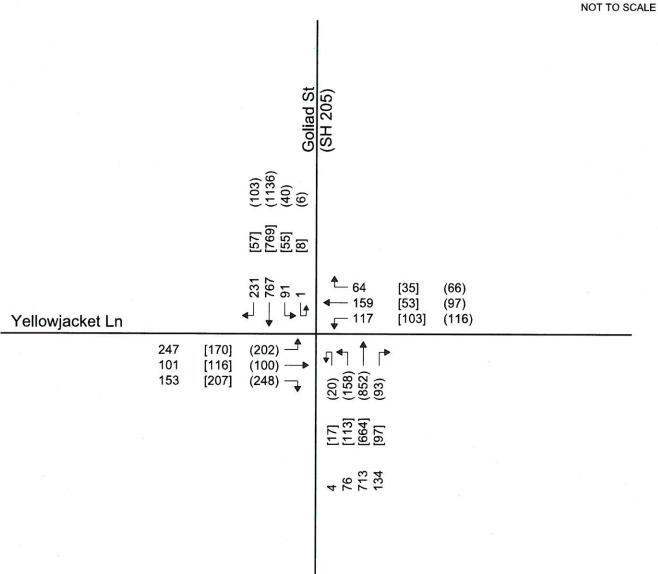
As part of another traffic project near the Goliad Street (SH 205) and Yellowjacket Lane intersection, weekday AM, Midday and PM peak hour traffic volumes were collected at this intersection in October 2004. **Table 2** shows a comparison of the total entering traffic volumes at this intersection between the 2004 and 2018 traffic volumes.

Table 2	: Historical	Peak Hour	intersection	Traine	voiumes
	Coliad Street	et (SH 205)	at Vellowiac	ket Lane	

Go	liad Street (S	H 205) at Y	Yellowjacket Lane
	2004	2018	Average Annual Growth
AM	1,914	2,858	3.1%
Midday	1,584	2,464	3.5%
PM	1,830	3,237	4.5%

Based on these pieces of information, an annual growth rate of five percent (5%) was assumed and applied to the existing traffic volumes to obtain the Build-Out Year (2019) Background traffic volumes, which are shown in **Figure 5**.





**LEGEND** 

← AM [Midday] (PM) Peak Hour Volumes

- Traffic volumes collected on Wednesday, January 24, 2018 -





ALE

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Yellowjacket Ln	259	[170]	(212) 📑	. 4	1	(/		
	106 161	[179] [122] [217]	(212) — (105) — (260) —	1 ± (0, 0, 0, 0)				
	161	[217]	(260)	(21) (166) (895) (98)				
				[18] [119] [697] [102]				
				4 80 749 141				

#### **LEGEND**

← AM [Midday] (PM) Peak Hour Volumes



At the site of the proposed Chick-fil-A restaurant, two vacant buildings currently occupy the property. The 2,400 ft<sup>2</sup> building on the corner formerly served as an E-Z Mart convenience store with 4 gasoline pumps in front of the building. The 1,890 ft<sup>2</sup> building on the south side of the property most recently served as a Pizza Hut restaurant.

To identify the estimated trips generated by these two land uses when in operation, trip generation characteristics for these land uses were obtained from the publication entitled *Trip Generation Manual*, 10<sup>th</sup> Edition, produced by the Institute of Transportation Engineers (ITE). Estimates of the number of trips generated by the previous land uses were made for the AM and PM peak hour, as well as on a daily basis. The trip generation characteristics for these land uses are provided in **Table 3**.

Table 3: Trip Generation Characteristics for Existing Land Uses

				ii actei ist		- 8					
Land Use	Rates <sup>1</sup>										
Description	ITE Code	Average Weekday			AM	AM Peak Hour			PM Peak Hour		
Convenience Market with Gasoline Pumps	853	T = 322.50*(X)			T =	T = 20.76*(X)			T = 23.04*(X)		
High-Turnover (Sit-Down) Restaurant	932	T = 112.18*(Y)			T :	T = 9.94*(Y)			T = 9.77*(Y)		
Land Use					Directi	ional Sp	olit <sup>2</sup>				
Description	ITE Code	Average Weekday			AM	AM Peak Hour			PM Peak Hour		
Convenience Market with Gasoline Pumps	853		50 / 50			50 / 50			50 / 50		
High-Turnover (Sit-Down) Restaurant	932	50 / 50			55 / 45			62 / 38			
					Numb	er of Tr	rips				
Land Use	Variable	Aver	age Wee	ekday	AM	AM Peak Hour			PM Peak Hour		
		Total	In	Out	Total	In	Out	Total	In	Out	
Convenience Market with Gasoline Pumps	4 vfp <sup>3</sup>	1,290 645 645		84	42	42	94	47	47		
High-Turnover (Sit-Down) Restaurant	1,890 ft <sup>2</sup>	212 106 106			19	10	9	18	11	7	
TOTAL		1,502	751	751	103	52	51	112	58	54	

 $<sup>{}^{1}</sup>T$  = Trips Ends; X = Vehicle fueling positions; Y = 1,000 ft<sup>2</sup>

While a direct trip generation rate for the Midday peak of these land uses is not provided in the *Trip Generation Manual*, additional data indicates that the trips generated during the Midday peak hour represents 5.9% of the daily trips for a "Convenience Market with Gasoline Pumps" and 12.2% of the daily trips for a "High-Turnover (Sit Down) Restaurant." Applying these percentages for the two land uses indicate that 76 trips would be predicted to be generated by the convenience market and 26 trips would be predicted to be generated by the restaurant during the Midday peak hour, which would result in an estimated total of 102 trips during the Midday peak hour.

<sup>&</sup>lt;sup>2</sup>XX / YY = % entering vehicles / % exiting vehicles

<sup>&</sup>lt;sup>3</sup>Vehicle fueling positions

# PROPOSED DEVELOPMENT

The proposed development is planned to consist of a 2,173 square foot Chick-fil-A restaurant with dual drive-through lanes and no indoor seating. A window on the exterior of the building will be provided for walk-up orders for the restaurant. Based on discussions with the developer, the Build-Out Year of the proposed restaurant will occur in 2019.

The number of trips generated by the Chick-fil-A restaurant is a function of the type and quantity of land use for the development. The number of vehicle trips generated by the proposed development was estimated based on the trip generation rates and equations provided in the publication entitled *Trip Generation Manual*, 10<sup>th</sup> Edition, by the Institute of Transportation Engineers (ITE). Estimates of the number of trips generated by the site were made for the AM and PM peak hour, as well as on a daily basis. The trip generation characteristics for this development are shown in **Table 4**. Table 1 also presents the number of trips generated by the proposed development at Build-Out.

Table 4: Trip Generation Characteristics for Proposed Chick-fil-A

Land Use	Rates <sup>1</sup>									
Description	ITE Code	Average Weekday			AM Peak Hour			PM Peak Hour		
Fast-Food Restaurant with Drive-Through Window and No Indoor Seating	935	T = 459.20*(X)			T = 33.76*(X)			T = 42.65*(X)		
Land Use	Directional Split <sup>2</sup>									
Description	ITE Code	Average Weekday			AM Peak Hour			PM Peak Hour		
Fast-Food Restaurant with Drive-Through Window and No Indoor Seating	935	50 / 50			48 / 52			51 / 49		
					Numb	er of Tr	rips			
Land Use	Variable	Aver	age Wee	kday	AM Peak Hour			PM Peak Hour		our
	1 9	Total	In	Out	Total	In	Out	Total	In	Out
Fast-Food Restaurant with Drive-Through Window and No Indoor Seating	2,173 ft <sup>2</sup>	998	499	499	74	36	38	93	47	46

 $<sup>{}^{1}</sup>T = \text{Trips Ends}; X = 1,000 \text{ ft}^{2}$ 

In the absence of a dedicated trip generation rate for the Midday peak of a "Fast-Food Restaurant" land use, additional data in the *Trip Generation Manual* indicated trips generated during the Midday peak hour represents 14.3% of the daily trips for this type of land use (144 trips). Based on the estimated trips generated by the previous development and the proposed development, and using information in ITE's *Trip Generation Manual*, the proposed development is predicted to

 $<sup>^{2}</sup>XX / YY = \%$  entering vehicles / % exiting vehicles

generate approximately 30% fewer trips during the AM peak hour (-29 trips) and approximately 15% fewer trips during the PM peak hour (-19 trips) than the previous two land uses on this property. During the Midday peak hour, the proposed development is predicted to generate approximately 40% more trips than the previous two land uses on this property (+42 trips).

When a motorist makes an intermediate stop at an adjacent land use during their journey to their primary trip destination, they are said to have made a pass-by trip. Pass-by trips are not new traffic generated by a development as these trips are attracted out of the existing traffic streams adjacent to the site. The ITE *Trip Generation Handbook* (3<sup>rd</sup> Edition) publishes average pass-by rates for different land uses based on studies at similar types of developments. For a "Fast-Food Restaurant with Drive-Through Window and No Indoor Seating" land use, information in this handbook indicates pass-by percentages of 49 percent during the AM peak hour and 50 percent during the PM peak hour. No pass-by information is provided for the Midday peak hour. As a result, approximately half of the traffic generated by the proposed Chick-fil-A restaurant during the AM and PM peak hours is projected to be traffic that is already traveling on the adjacent roadways and passing by this site. However, pass-by traffic was not removed from the adjacent intersection volumes, which should result in a conservative estimate of traffic impacts.

# TRIP DISTRIBUTION AND ASSIGNMENT

## Trip Distribution

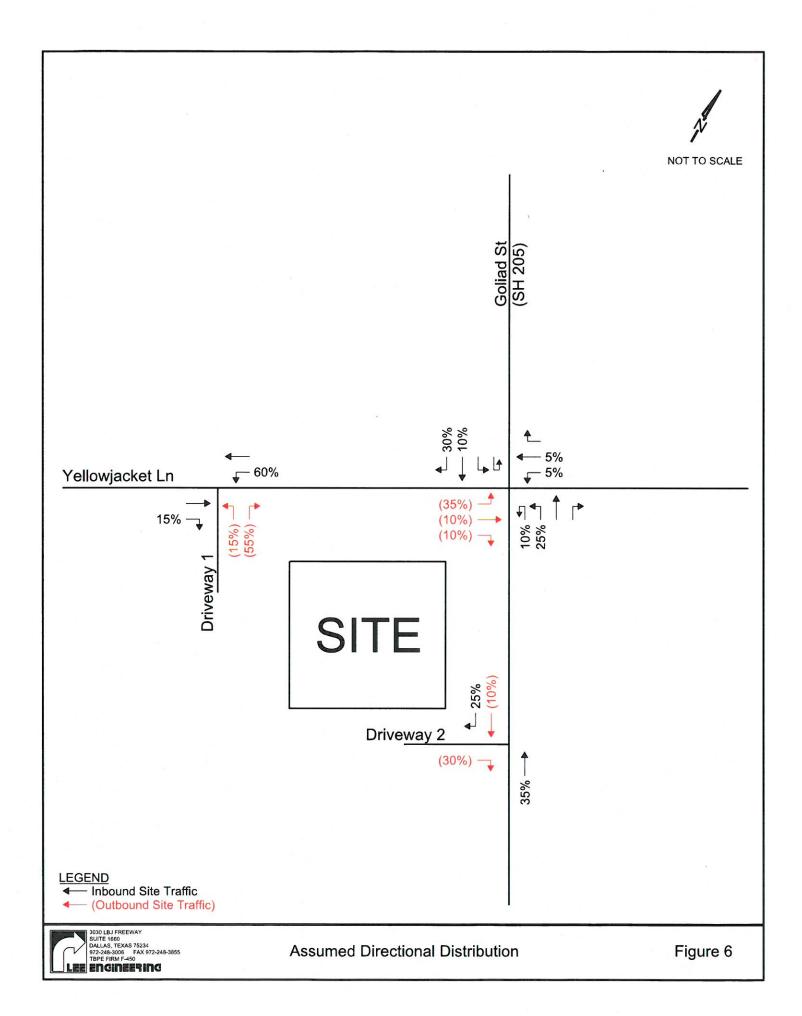
The existing traffic volumes and roadways in the area, along with the proposed site layout, were used to determine the directions from which traffic would approach and depart the Chick-fil-A development. The assumed directional distribution is provided in **Figure 6**.

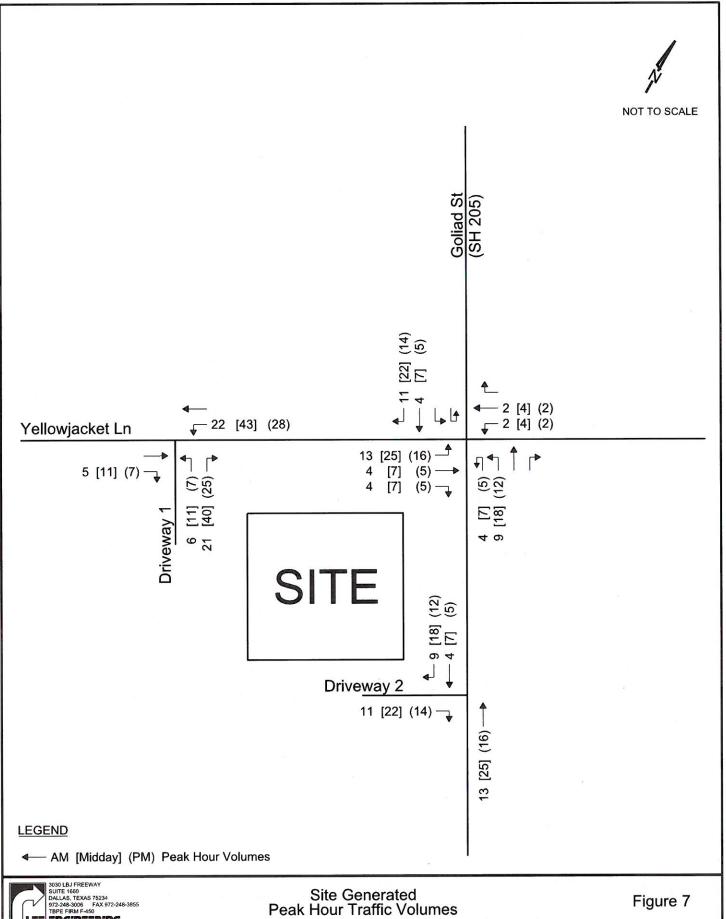
#### Site Traffic Volumes

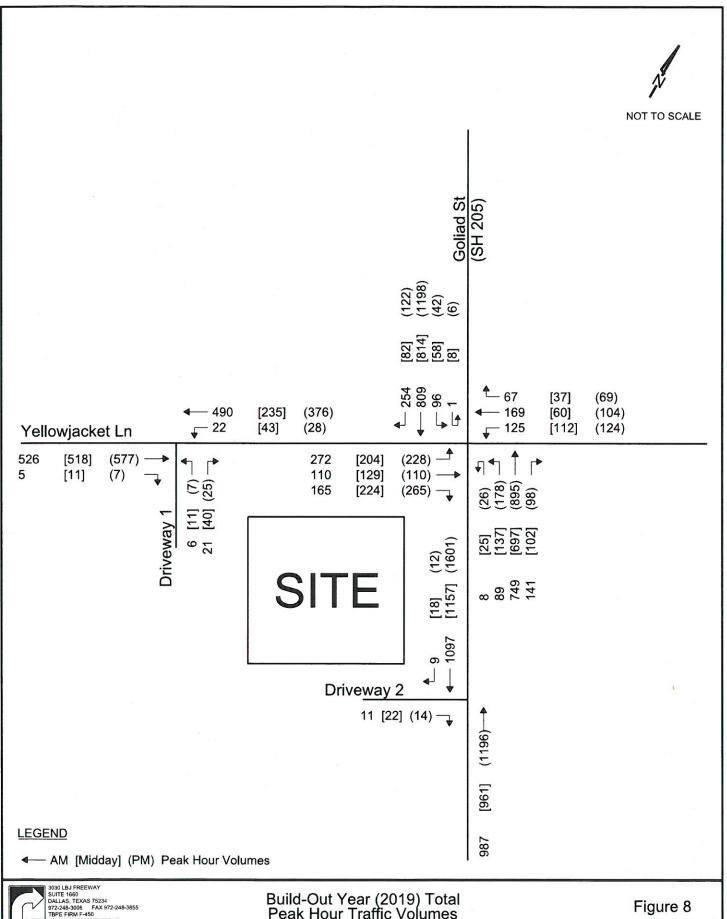
Traffic volumes expected to be generated by the proposed Chick-fil-A development were assigned to the area roadways and site access points based on the directional distribution identified in Figure 6. The estimated site generated traffic volumes for the weekday AM, Midday and PM peak hours are shown in **Figure 7**. As stated previously, although half of the traffic generated by the proposed restaurant is projected to be traffic that is already traveling on the adjacent roadways and passing by the site, no reduction in the trips generated by the proposed development to account for pass-by traffic was assumed.

## Total Traffic Conditions

Total (background + site) peak hour traffic conditions at Build-Out Year (2019) of the Chick-fil-A were obtained by adding the Build-Out Year (2019) Background traffic volumes (Figure 5) to the total site generated traffic volumes (Figure 7) and are shown in **Figure 8**.







EE ENGINEERING

Build-Out Year (2019) Total Peak Hour Traffic Volumes

# INTERSECTION CAPACITY ANALYSES

The Level of Service (LOS) of an intersection is a qualitative measure of capacity and operating conditions and is directly related to vehicle delay. The LOS criteria for a signalized intersection are shown in **Table 5**. LOS is given a letter designation from A to F, with LOS A representing very short delays (less than 10 seconds of average control delay per vehicle) and LOS F representing very long delays (more than 80 seconds of average control delay per vehicle). LOS D, ranging from 35.1 to 55.0 seconds of average control delay per vehicle, is typically considered the minimum acceptable condition.

For unsignalized intersections, the levels of service, as shown in **Table 6**, are defined by average control delay in seconds per vehicle. LOS D (ranging from 25.1 to 35 seconds of average delay per vehicle) is considered the minimum acceptable condition for an unsignalized intersection.

Capacity analyses were conducted for the study area intersections under the following analysis scenarios:

- > Existing (2018) Conditions
- ➤ Build-Out Year (2019) Background Conditions
- ➤ Build-Out Year (2019) Total Conditions

The intersection capacity analyses were conducted using HCM methodologies in the *Synchro 9* traffic analysis software package. The intersection lane configurations provided in Figure 3 were used for these analyses.

Additional performance measures such as volume to capacity (v/c) ratios and queue lengths also provide an indication of operations. For example, at two-way stop controlled intersections, main street traffic volumes may impose longer average delays for a small number of side-street vehicles, thus creating vehicle delays which correspond to a poor level of service.

Table 5: Level of Service Criteria for Signalized Intersections

Level-of-Service (LOS)	Average Control Delay (seconds/vehicle)	Description
Α	≤ 10.0	Very low vehicle delays, free flow, signal progression extremely favorable, most vehicles arrive during given signal phase.
В	10.1 to 20.0	Good signal progression, more vehicles stop and experience higher delays than for LOS A.
С	20.1 to 35.0	Stable flow, fair signal progression, significant number of vehicles stop at signals.
D	35.1 to 55.0	Congestion noticeable, longer delays and unfavorable signal progression, many vehicles stop at signals.
E	55.1 to 80.0	Limit of acceptable delay, unstable flow, poor signal progression, traffic near roadway capacity, frequent cycle failures.
F	> 80.0	Unacceptable delays, extremely unstable flow and congestion, traffic exceeds roadway capacity, stop-and-go conditions.

SOURCE: Highway Capacity Manual, HCM 2010, Transportation Research Board, 2010

Table 6: Level of Service Criteria for Unsignalized Intersections

Level-of-Service (LOS)	Average Control Delay (seconds/vehicle)	Description
Α	≤ 10.0	No delays at intersections with continuous flow of traffic. Uncongested operations: high frequency of long gaps available for all left and right turning traffic. No observable queues.
В	10.1 to 15.0	No delays at intersections with continuous flow of traffic. Uncongested operations: high frequency of long gaps available for all left and right turning traffic. No observable queues.
C	15.1 to 25.0	Moderate delays at intersections with satisfactory to good traffic flow. Light congestion; infrequent backups on critical approaches.
D	25.1 to 35.0	Increased probability of delays along every approach. Significant congestion on critical approaches, but intersection functional. No standing long lines formed.
E	35.1 to 50.0	Heavy traffic flow condition. Heavy delays probable. No available gaps for cross-street traffic or main street turning traffic. Limit of stable flow.
F	> 50.0	Unstable traffic flow. Heavy congestion. Traffic moves in forced flow condition. Average delays greater than one minute highly probable. Total breakdown.

SOURCE: Highway Capacity Manual, HCM 2010, Transportation Research Board, 2010

**Table 7** presents the analysis results for the study intersection under Existing (2018), Build-Out Year (2019) Background, and Build-Out Year (2019) Total traffic conditions. The shaded cells in Table indicate approaches that are currently operating or are predicted to operate below level of service (LOS) D.

**Table 7: Intersection Capacity Analysis Results** 

W-80											
The state of the s	Goliad Street (SH 205) and Yellowjacket Lane (Signalized)										
Scenario	Peak Hour	Intersection	EB	WB	NB	SB					
	AM	31.7 (C) 1	60.8 (E)	52.4 (D)	20.5 (C)	21.3 (C)					
Existing Conditions	Midday	24.8 (C)	49.8 (D)	45.4 (D)	15.0 (B)	16.4 (B)					
Conditions	PM	34.5 (C)	68.2 (E)	65.0 (E)	20.2 (C)	25.8 (C)					
	AM	33.0 (C)	61.9 (E)	52.1 (D)	22.2 (C)	23.1 (C)					
Build-Out Year (2019) Background Conditions	Midday	25.7 (C)	50.8 (D)	45.3 (D)	15.8 (B)	17.5 (B)					
Background Conditions	PM	36.3 (D)	69.2 (E)	66.2 (E)	22.0 (C)	28.4 (C)					
	AM	34.1 (C)	62.8 (E)	52.1 (D)	22.9 (C)	24.4 (C)					
Build-Out Year (2019) Total Conditions	Midday	27.1 (C)	52.4 (D)	45.2 (D)	16.7 (B)	18.9 (B)					
Total Conditions	PM	38.1 (D)	52.4 (D) 45.2 (D) 16.7 (B) 69.6 (E) 66.5 (E) 23.5 (C)	30.7 (C)							
	Yellowjacke	t Lane and Driv	eway 1 (Unsig	nalized - TWS	C)						
Scenario	Peak Hour	Intersection <sup>2</sup>	EB	WB Left	NB	SB					
	AM		0.0 (A)	8.7 (A)	12.3 (B)						
Build-Out Year (2019) Total Conditions	Midday		0.0 (A)	8.8 (A)	12.2 (B)						
Total Conditions	PM		0.0 (A)	8.9 (A)	12.6 (B)						
le am no a	Goliad Street (	SH 205) and Di	iveway 2 (Uns	ignalized – TW	/SC)						
Scenario	Peak Hour	Intersection <sup>2</sup>	EB	WB	NB	SB					
	AM		10.4 (B)		0.0 (A)	0.0 (A)					
Build-Out Year (2019) Total Conditions	Midday		10.6 (B)		0.0 (A)	0.0 (A)					
Total Collutions	PM		11.8 (B)		0.0 (A)	0.0 (A)					

<sup>&</sup>lt;sup>1</sup> Delay in seconds/vehicle (Level of Service)

As shown by the analysis results in Table 7, the intersection of Goliad Street (SH 205) and Yellowjacket Lane currently operates and is predicted to continue operating at acceptable levels of service under Build-Out Year (2019) Background and Total conditions during the AM, Midday and PM peak hours. The approaches and movements at the Chick-fil-A driveways on Yellowjacket Lane and Goliad Street (SH 205) are predicted to operate at acceptable levels of service under Build-Out Year (2019) Total conditions.

<sup>&</sup>lt;sup>2</sup> HCM methodology does not provide intersection-wide delay/level of service for two-way stop-controlled (TWSC) analysis

The results in Table 7 indicate that at the signalized intersection of Goliad Street (SH 205) and Yellowjacket Lane, the eastbound (AM and PM peak hours) and westbound approaches (PM peak hour) currently operate at levels of service below LOS D. With the additional background and site traffic at this intersection in the Build-Out Year (2019), the levels of service for those approaches are predicted to remain the same with similar delays. Under Build-Out Year (2019) Total conditions, delays at the eastbound and westbound approaches on Yellowjacket Lane at this intersection are predicted to increase by less than two (2) seconds/vehicle during the AM and PM peak hours, when compared to Existing (2018) conditions. Traffic generated by the proposed Chick-fil-A restaurant is predicted to have minimal impact to the operation of the Goliad Street (SH 205) and Yellowjacket Lane intersection.

# **ACCESS MANAGEMENT ANALYSES**

As part of this study, access management analyses were performed to consider the need for deceleration lanes and to determine if adequate driveway spacing and intersection sight distance is provided for the proposed site driveways. Additionally, an analysis of the internal queuing on site was also performed.

Right Turn Deceleration Lane Analysis

The proposed site driveways for the Chick-fil-A development along Yellowjacket Lane and Goliad Street (SH 205) were analyzed to determine the need for right turn deceleration lanes. Guidelines in TxDOT's Access Management Manual state that:

• For roadways with a posted speed limit less than or equal to 45 mph, a right turn deceleration lane should be considered when peak right turn volumes are greater than 60 vehicles per hour.

**Table 8** summarizes the projected right turn volumes under Build-Out Year (2019) Total traffic conditions.

Intersection	Approach	Speed Limit (mph)	Threshold (vph)	Volume (vph) AM [Midday] (PM)	Exceeds Threshold? AM [Midday] (PM)	
Driveway #1 at Yellowjacket Lane	EB	35	60	5 [11] (7)	No [No] (No)	
Driveway #2 at Goliad Street (SH 205)	SB	40	60	9 [18] (12)	No [No] (No)	

Table 8: Right Turn Deceleration Lane Analysis Results

As shown in Table 8, the eastbound right turn volumes on Yellowjacket Lane at Driveway #1 and the southbound right turn volumes on Goliad Street (SH 205) at Driveway #2 are not predicted to exceed the guidelines for consideration of a right turn deceleration lane during any of the peak hours evaluated. Therefore, right turn deceleration lanes are not recommended for either of these driveway locations.

Intersection Sight Distance

As part of this traffic analysis, the available and required intersection sight distance for motorists accessing the adjacent roadways from the proposed site driveways on Yellowjacket Lane and Goliad Street (SH 205) were analyzed. The sight distance required was estimated using the procedures developed by the American Association of State Highway and Transportation Officials (AASHTO) and published in the 2011 edition of A Policy on Geometric Design of Highways and Streets. At this location, the motorist should be able to see if and when adequate gaps exist to

perform their desired maneuver. **Table 9** presents the required and available sight distance for vehicles exiting the proposed Chick-fil-A site driveways.

Major Roadway Yellowjacket Lane Goliad Street (SH 205) Posted Speed Limit 35 mph 40 mph Minor Roadway Driveway #1 Driveway #2 Design Vehicle Passenger Car Passenger Car Required Intersection Sight Distance 415' 385 Available Sight Distance to the Left >500' >500' Available Sight Distance to the Right >500'  $N/A^{-1}$ Available > Required To the Left YES YES To the Right YES N/A

**Table 9: Sight Distance Evaluation** 

As identified in Table 9, the amount of available sight distance for the proposed driveways are predicted to exceed the amount of intersection sight distance required.

#### Access Spacing

In TxDOT's Access Management Manual, required access point spacing is determined based on the posted speed limit of the roadway. For a state highway with a posted speed limit of 40 mph, such as Goliad Street (SH 205), the required spacing between access points is 305 feet. The Standards of Design and Construction for the City of Rockwall (October 2016) indicate that the minimum spacing between a driveway on a collector road and the adjacent arterial street is 200 feet with a minimum of 100 feet between driveways.

Driveway #1 on Yellowjacket Lane is planned to be located approximately 110 feet west of Goliad Street (SH 205) and approximately 40 feet east of an existing driveway. The City's minimum driveway spacing is not met between Driveway #1 and the adjacent driveway to the west or the Goliad Street (SH 205) intersection to the east. While the proposed location of Driveway #1 does not meet the City's driveway spacing requirements, the proposed Driveway #1:

- Will replace two existing driveways for the previous development.
- Will be located near the western edge of the property.
- Will be located at approximately the same location as the existing western driveway for the previous development.

Driveway #2 on Goliad Street (SH 205) is planned to be located approximately 170 feet south of Yellowjacket Lane and approximately 160 feet north of an existing driveway. TxDOT's access point spacing requirement (305 feet) is not met between Driveway #2 and the Yellowjacket intersection to the north or the adjacent driveway to the south. While the proposed location of Driveway #2 does not meet TxDOT's driveway spacing requirements, the proposed Driveway #2:

Right-in/right-out exit

- Will replace two existing driveways for the previous development.
- Will be located near the southern edge of the property.
- Will be located approximately 30 feet further south than the existing southern driveway for the previous development.

Since these driveways do not meet the minimum requirements, a waiver from the City and TxDOT will be necessary for the location of these driveways.

#### Internal Site Queuing

An analysis of the ability of the site to store drive-through queues within the proposed drive-through lanes was also performed. Since the Midday peak hour had the highest predicted demand (72 entering vehicles), this peak hour was selected as the analysis period.

For this analysis, the following assumptions were made:

- All 72 vehicles would use the drive-through lanes and there would be no customers using the outside walk-up window.
- Based on information provided in the site plan, the drive-through lanes can store a total of 19 vehicles.
- Based on information provided by the developer, an average store services one vehicle every 30 seconds, or two (2) vehicles minute.
- In the 15 minutes before the start peak hour, a total of 18 entering vehicles were assumed, with the final 6 vehicles arriving at the end of the final 5 minute period. As a result, it was assumed that these 6 vehicles would be waiting in the queue at the start of the Midday peak hour assessment.
- 50% of the entering vehicles (36 vehicles) would arrive in the first 15 minutes of the peak hour (arrival rate = 2.4 vehicles/minute).
- 40% of the entering vehicles (29 vehicles) would arrive in the next 15 minutes of the peak hour (arrival rate = 1.9 vehicles/minute).
- Adding the previous two bullets together, 90% of the 72 total entering vehicles (65 vehicles) would arrive in the first 30 minutes of the peak hour.

**Table 10** presents the results of the queuing analysis using the above assumptions. As shown by this analysis, with 90% of the predicted Midday peak hour traffic occurring in the first 30 minutes, the traffic queues are not predicted to exceed the limits of the storage provided (19 queued vehicles) with a maximum predicted queue of 14 vehicles.

Table 10: Queuing Analysis Results

Time	Arrival Rate (veh/min)	Departure Rate (veh/min)	# of Cars in Queue	# of Cars Arriving	# of Cars Departing	# of Cars in Queue	Total Cars Arrived	% of Total
12:00	2.4	2	6	3	0	9	3	4%
12:01	2.4	2	9	2	2	9	5	7%
12:02	2.4	2	9	3	2	10	8	11%
12:03	2.4	2	10	2	2	10	10	14%
12:04	2.4	2	10	2	2	10	12	17%
12:05	2.4	2	10	3	2	11	15	21%
12:06	2.4	2	11	2	2	11	17	24%
12:07	2.4	2	11	3	2	12	20	28%
12:08	2.4	2	12	2	2	12	22	31%
12:09	2.4	2	12	2	2	12	24	33%
12:10	2.4	2	12	3	2	13	27	38%
12:11	2.4	2	13	2	2	13	29	40%
12:12	2.4	2	13	3	2	14	32	44%
12:13	2.4	2	14	2	2	14	34	47%
12:14	2.4	2	14	2	2	14	36	50%
12:15	1.9	2	14	2	2	14	38	53%
12:16	1.9	2	14	2	2	14	40	56%
12:17	1.9	2	14	2	2	14	42	58%
12:18	1.9	2	14	2	2	14	44	61%
12:19	1.9	2	14	2	2	14	46	64%
12:20	1.9	2	14	2	2	14	48	67%
12:21	1.9	2	14	2	2	14	50	69%
12:22	1.9	2	14	2	2	14	52	72%
12:23	1.9	2	14	2	2	14	54	75%
12:24	1.9	2	14	2	2	14	56	78%
12:25	1.9	2	14	2	2	14	58	81%
12:26	1.9	2	14	2	. 2	14	60	83%
12:27	1.9	2	14	2	2	14	62	86%
12:28	1.9	2	14	2	2	14	64	89%
12:29	1.9	2	14	1	2	13	65	90%

### **CONCLUSIONS**

Based on the analysis of the proposed site plan and characteristics of the Chick-fil-A restaurant, the following conclusions can be made:

• The proposed Chick-fil-A restaurant is predicted to generate 998 trips on a daily basis with 74 trips during the AM peak hour, 144 trips during the Midday peak hour and 93 trips during the PM peak hour.

### Intersection Capacity Analysis

- Under Existing conditions, the intersection of Goliad Street (SH 205) and Yellowjacket Lane currently operates at acceptable levels of service during the AM, Midday and PM peak hours. The intersection will continue operating at acceptable levels of service under Build-Out Year (2019) Background and Total conditions.
- The eastbound (AM and PM peak hours) and westbound (PM peak hour) approaches at the Goliad Street (SH 205) and Yellowjacket Lane intersection currently operate and are predicted to continue operating at the same level of service (below LOS D) under Build-Out Year (2019) Background and Total conditions. For these approaches, the delays are predicted to increase by less than two (2) seconds/vehicle during the AM and PM peak hours, when compared to Existing (2018) conditions. Traffic generated by the proposed Chick-fil-A restaurant is predicted to have minimal impact to the operation of the Goliad Street (SH 205) and Yellowjacket Lane intersection.
- The approaches to the proposed Driveway #1 (on Yellowjacket Lane) and Driveway #2 (on Goliad Street [SH 205]) are predicted to operate at acceptable levels of service under Build-Out Year (2019) Total traffic conditions.

#### Access Management Analysis

- The projected eastbound right turn volumes on Yellowjacket Lane at Driveway #1 and the projected southbound right turn volumes on Goliad Street (SH 205) at Driveway #2 are not predicted to exceed TxDOT's guidelines for consideration of right turn deceleration lanes. Right turn deceleration lanes are not recommended for these two driveways as a result of the Chick-fil-A development.
- Based on conditions that existed in the field when the sight distance was measured, the
  amount of available sight distance for the proposed driveways are predicted to exceed the
  amount of intersection sight distance required.
- The City's minimum driveway spacing for Driveway #1 on Yellowjacket Lane and TxDOT's minimum driveway spacing for Driveway #2 on Goliad Street (SH 205) are not satisfied. However, each driveway is replacing two driveways which currently exist along the site frontage, are located at similar locations to a previous driveway and are located near the edge of the property line. A waiver will be necessary for the location of these driveways.
- With the assumptions made as part of the queuing analysis, with 90% of the predicted Midday peak hour traffic occurring in the first 30 minutes, traffic queues are not predicted to exceed the limits of the storage provided (19 queued vehicles).

### RECOMMENDATIONS

Based on the results of this study, no specific recommendations were identified as a result of the traffic generated by the proposed Chick-fil-A restaurant. Effective and efficient management of the ordering and food delivery process should be undertaken, as necessary, to help minimize any queues generated by the Chick-fil-A restaurant.

### **APPENDIX**

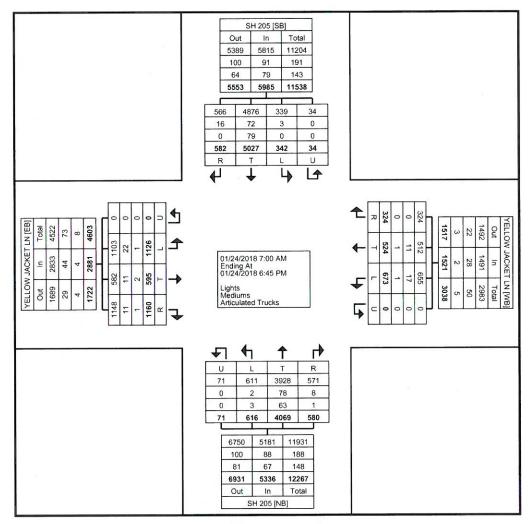
Arlington, Texas, United States 76013 817.265.8968

Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 1

**Turning Movement Data** 

1	r					r.		urriii	ig ivi	ove	nen	l Da	la								
			SH 205				YELLO	DW JACK	KET LN				SH 205				YELLO	DW JACK	KET LN		
		S	outhbou	nd			1	Vestbour	nd			N	lorthbou	nd			E	Eastboun	d		
Start Time	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	Int. Total
7:00 AM	2	189	12	0	203	10	18	8	0	36	8	118	18	0	144	22	5	32	0	59	442
7:15 AM	7	144	4	0	155	11	5	8	0	24	8	157	17	0	182	33	12	33	0	78	439
7:30 AM	26	199	25	1	251	27	22	21	0	70	16	196	39	2	253	48	15	33	0	96	670
7:45 AM	25	260	54	0	339	25	33	25	0	83	15	217	30	0	262	52	29	36	0	117	801
Hourly Total	60	792	95	1	948	73	78	62	0	213	47	688	104	2	841	155	61	134	0	350	2352
8:00 AM	25	159	66	0	250	34	49	9	0	92	26	139	28	0	193	69	24	39	0	132	667
8:15 AM	15	149	86	0	250	31	55	9	0	95	19	161	37	2	219	78	33	45	0	156	720
8:30 AM	21	142	33	0	196	33	21	8	0	62	12	130	26	2	170	88	33	47	0	168	596
8:45 AM	15	155	5	0	175	14	15	8	0	37	17	137	32	2	188	28	20	21	0	69	469
Hourly Total	76	605	190	0	871	112	140	34	0	286	74	567	123	6	770	263	110	152	0	525	2452
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-			-	-					-			-	-	-	-			-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	20	200	10	1	231	40	15	10	0	65	23	154	16	6	199	33	23	33	0	89	584
11:45 AM	14	207	14	0	235	38	19	15	0	72	20	153	19	2	194	33	25	41	0	99	600
Hourly Total	34	407	24	1	466	78	34	25	0	137	43	307	35	8	393	66	48	74	0	188	1184
12:00 PM	14	205	11	3	233	47	27	22	0	96	29	0000000		4	171	37	100000	42	0	104	
12:15 PM	8	199	16	6	229	24	10	12	0	46		125	13				25			_	604
7577 (92384) (47.00)			7	2							26	182	19	3	230	34	18	46	0	98	603
12:30 PM	17	178			204	34	14	10	0	58	26	149	15	8	198	40	28	49	0	117	577
12:45 PM	16	219	16	2	253	23	11	6	0	40	30	175	32	2	239	49	25	58	0	132	664
Hourly Total	55	801	50	13	919	128	62	50	0	240	111	631	79	17	838	160	96	195	0	451	2448
1:00 PM	13	173	19	3	208	22	20	12	0	54	28	153	25	5	211	41	30	57	0	128	601
1:15 PM	9	199	15	1	224	24	8	7	0	39	29	187	25	2	243	40	33	43	0	116	622
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-			-	•	-	-	-	-			-	-	-	-	-	-	•	
Hourly Total	22	372	34	4	432	46	28	19	0	93	57	340	50	7	454	81	63	100	0	244	1223
4:30 PM	9	234	27	2	272	28	11	15	0	54	33	150	23	3	209	55	25	51	0	131	666
4:45 PM	14	216	16	4	250	19	21	11	0	51	31	194	36	3	264	59	41	65	0	165	730
Hourly Total	23	450	43	6	522	47	32	26	0	105	64	344	59	6	473	114	66	116	0	296	1396
5:00 PM	20	229	22	1	272	41	39	26	0	106	26	158	19	3	206	50	32	77	0	159	743
5:15 PM	10	236	22	2	270	20	33	10	0	63	48	206	18	2	274	53	25	67	0	145	752
5:30 PM	8	282	20	1	311	38	32	17	0	87	37	207	18	3	265	53	33	71	0	157	820
5:45 PM	10	278	33	2	323	27	14	23	0	64	27	204	29	5	265	56	21	48	0	125	777
Hourly Total	48	1025	97	6	1176	126	118	76	. 0	320	138	775	84	13	1010	212	111	263	0	586	3092
6:00 PM	12	340	28	1	381	31	18	16	0	65	46	235	28	10	319	40	21	62	0	123	888
6:15 PM	12	235	21	2	270	32	14	16	0	62	36	182	18	2	238	35	19	64	0	118	688
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	342	5027	582	34	5985	673	524	324	0	1521	616	4069	580	71	5336	1126	595	1160	0	2881	15723
Approach %	5.7	84.0	9.7	0.6		44.2	34.5	21.3	0.0	-	11.5	76.3	10.9	1.3	-	39.1	20.7	40.3	0.0		-
Total %	2.2	32.0	3.7	0.2	38.1	4.3	3.3	2.1	0.0	9.7	3.9	25.9	3.7	0.5	33.9	7.2	3.8	7.4	0.0	18.3	-
Lights	339	4876	566	34	5815	655	512	324	0	1491	611	3928	571	71	5181	1103	582	1148	0	2833	15320
% Lights	99.1	97.0	97.3	100.0	97.2	97.3	97.7	100.0		98.0	99.2	96.5	98.4	100.0	97.1	98.0	97.8	99.0	-	98.3	97.4
Mediums	3	72	16	0	91	17	11	0	0	28	2	78	8	0	88	22	11	11	0	44	251
% Mediums	0.9	1.4	2.7	0.0	1.5	2.5	2.1	0.0	-	1.8	0.3	1.9	1.4	0.0	1.6	2.0	1.8	0.9	-	1.5	1.6
Articulated Trucks	0	79	0	0	79	1	1	0	0	2	3	63	1	0	67	1	2	1	0	4	152
% Articulated	0.0	1.6	0.0	0.0	1.3	0.1	0.2	0.0	_	0.1	0.5	1.5	0.2	0.0	1.3	0.1	0.3	0.1		0.1	1.0
Trucks	0.0		0.0	0.0	110		V.2	0.0		0.1	0.0	1.0	U.E.	0.0	1.0	0.1	0.0	0.1	2000	V. I	1.0

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 2



**Turning Movement Data Plot** 

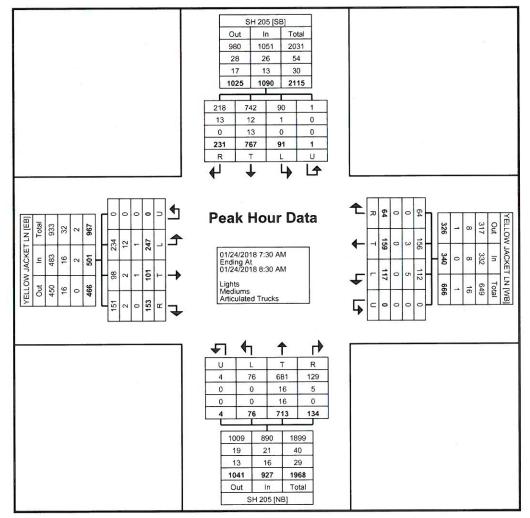
Arlington, Texas, United States 76013 817.265.8968

Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 3

Turning Movement Peak Hour Data (7:30 AM)

7.5															2					4
		SH 205				YELLO	W JAC	KET LN				SH 205				YELLO	W JAC	KET LN		
	S	outhbou	nd			٧	Vestbour	nd			N	lorthbou	nd			E	astbour	nd		
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	Int. Total
26	199	25	1	251	27	22	21	0	70	16	196	39	2	253	48	15	33	0	96	670
25	260	54	0	339	25	33	25	0	83	15	217	30	0	262	52	29	36	0	117	801
25	159	66	0	250	34	49	9	0	92	26	139	28	0	193	69	24	39	0	132	667
15	149	86	0	250	31	55	9	0	95	19	161	37	2	219	78	33	45	0	156	720
91	767	231	1	1090	117	159	64	0	340	76	713	134	4	927	247	101	153	0	501	2858
8.3	70.4	21.2	0.1	-	34.4	46.8	18.8	0.0	123	8.2	76.9	14.5	0.4		49.3	20.2	30.5	0.0		-
3.2	26.8	8.1	0.0	38.1	4.1	5.6	2.2	0.0	11.9	2.7	24.9	4.7	0.1	32.4	8.6	3.5	5.4	0.0	17.5	-
0.875	0.738	0.672	0.250	0.804	0.860	0.723	0.640	0.000	0.895	0.731	0.821	0.859	0.500	0.885	0.792	0.765	0.850	0.000	0.803	0.892
90	742	218	1	1051	112	156	64	0	332	76	681	129	4	890	234	98	151	0	483	2756
98.9	96.7	94.4	100.0	96.4	95.7	98.1	100.0	-	97.6	100.0	95.5	96.3	100.0	96.0	94.7	97.0	98.7		96.4	96.4
1	12	13	0	26	5	3	0	0	- 8	0	16	5	0	21	12	2	2	0	16	71
1.1	1.6	5.6	0.0	2.4	4.3	1.9	0.0	-	2.4	0.0	2.2	3.7	0.0	2.3	4.9	2.0	1.3		3.2	2.5
0	13	0	0	13	0	0	0	0	0	0	16	0	0	16	1	1	0	0	2	31
0.0	1.7	0.0	0.0	1.2	0.0	0.0	0.0	3	0.0	0.0	2.2	0.0	0.0	1.7	0.4	1.0	0.0		0.4	1.1
	26 25 25 15 91 8.3 3.2 0.875 90 98.9 1 1.1	Left Thru 26 199 25 260 25 159 15 149 91 767 8.3 70.4 3.2 26.8 0.875 0.738 90 742 98.9 96.7 1 12 1.1 1.6 0 13	Southbour Left Thru Right 26 199 25 25 260 54 25 159 66 15 149 86 91 767 231 8.3 70.4 21.2 3.2 26.8 8.1 0.875 0.738 0.672 90 742 218 98.9 96.7 94.4 1 12 13 1.1 1.6 5.6 0 13 0	26 199 25 1 25 260 54 0 25 159 66 0 15 149 86 0 91 767 231 1 8.3 70.4 21.2 0.1 3.2 26.8 8.1 0.0 0.875 0.738 0.672 0.250 90 742 218 1 98.9 96.7 94.4 100.0 1 12 13 0 0 13 0 0	Southbound   Left   Thru   Right   U-Turn   App. Total     26   199   25   1   251     25   260   54   0   339     25   159   66   0   250     15   149   86   0   250     91   767   231   1   1090     8.3   70.4   21.2   0.1   -     3.2   26.8   8.1   0.0   38.1     0.875   0.738   0.672   0.250   0.804     90   742   218   1   1051     98.9   96.7   94.4   100.0   96.4     1   12   13   0   26     1.1   1.6   5.6   0.0   2.4     0   13   0   0   13	SH 205 Southbound Left Thru Right U-Turn App. Total 26 199 25 1 251 27 25 260 54 0 339 25 25 159 66 0 250 34 15 149 86 0 250 31 91 767 231 1 1090 117 8.3 70.4 21.2 0.1 - 34.4 3.2 26.8 8.1 0.0 38.1 4.1 0.875 0.738 0.672 0.250 0.804 0.860 90 742 218 1 1051 112 98.9 96.7 94.4 100.0 96.4 95.7 1 12 13 0 26 5 1.1 1.6 5.6 0.0 2.4 4.3 0 13 0 0 13 0	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 25 260 54 0 339 25 33 25 159 66 0 250 34 49 15 149 86 0 250 31 55 91 767 231 1 1090 117 159 8.3 70.4 21.2 0.1 - 34.4 46.8 3.2 26.8 8.1 0.0 38.1 4.1 5.6 0.875 0.738 0.672 0.250 0.804 0.860 0.723 90 742 218 1 1051 112 156 98.9 96.7 94.4 100.0 96.4 95.7 98.1 1 12 13 0 26 5 3 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0 13 0 0 13 0 0	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 25 260 54 0 339 25 33 25 25 159 66 0 250 34 49 9 15 149 86 0 250 31 55 9 91 767 231 1 1090 117 159 64 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 90 742 218 1 1051 112 156 64 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 1 12 13 0 26 5 3 0 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0.0 0 13 0 0 13 0 0 0	SH 205         YELLOW JACKET LN Westbound           Left         Thru         Right         U-Turn         App. Total         Left         Thru         Right         U-Turn           26         199         25         1         251         27         22         21         0           25         260         54         0         339         25         33         25         0           25         159         66         0         250         34         49         9         0           15         149         86         0         250         31         55         9         0           91         767         231         1         1090         117         159         64         0           8.3         70.4         21.2         0.1         -         34.4         46.8         18.8         0.0           3.2         26.8         8.1         0.0         38.1         4.1         5.6         2.2         0.0           0.875         0.738         0.672         0.250         0.804         0.860         0.723         0.640         0.000           90         742         <	SH 205         YELLOW JACKET LN Westbound           Left         Thru         Right         U-Turn         App. Total Protal         Left         Thru         Right         U-Turn         App. Total Protal           26         199         25         1         251         27         22         21         0         70           25         260         54         0         339         25         33         25         0         83           25         159         66         0         250         34         49         9         0         92           15         149         86         0         250         31         55         9         0         95           91         767         231         1         1090         117         159         64         0         340           8.3         70.4         21.2         0.1         -         34.4         46.8         18.8         0.0         -           3.2         26.8         8.1         0.0         38.1         4.1         5.6         2.2         0.0         11.9           0.875         0.738         0.672         0.250	SH 205	SH 205 Southbound  Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 0 70 16 196 25 260 54 0 339 25 33 25 0 83 15 217 25 159 66 0 250 34 49 9 0 92 26 139 15 149 86 0 250 31 55 9 0 95 19 161 91 767 231 1 1090 117 159 64 0 340 76 713 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 0.0 - 8.2 76.9 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.0 11.9 2.7 24.9 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 0.000 0.895 0.731 0.821 90 742 218 1 1051 112 156 64 0 332 76 681 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 - 97.6 100.0 95.5 1 12 13 0 26 5 3 0 0 0 8 0 16 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0.0 - 2.4 0.0 2.2 0 13 0 0 13 0 0 0 0 0 0 0 0 0 0 16	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 0 70 16 196 39 25 260 54 0 339 25 33 25 0 83 15 217 30 25 159 66 0 250 34 49 9 0 92 26 139 28 15 149 86 0 250 31 55 9 0 95 19 161 37 91 767 231 1 1090 117 159 64 0 340 76 713 134 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 0.0 - 8.2 76.9 14.5 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.0 11.9 2.7 24.9 4.7 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 0.000 0.895 0.731 0.821 0.859 90 742 218 1 1051 112 156 64 0 332 76 681 129 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 - 97.6 100.0 95.5 96.3 1 12 13 0 26 5 3 0 0 0 0 0 0 0 0 16 0	SH 205	SH 205	SH 205	SH 205 Southbound Left Thru Right U-Turn App. 26 199 25 1 251 27 22 21 0 70 16 196 39 2 253 48 15 25 260 54 0 339 25 33 25 0 83 15 217 30 0 262 52 29 25 159 66 0 250 34 49 9 0 92 26 139 28 0 193 69 24 15 149 86 0 250 31 55 9 0 95 19 161 37 2 219 78 33 91 767 231 1 1090 117 159 64 0 340 76 713 134 4 927 247 101 8.3 70.4 21.2 0.1 - 34.4 46.8 18.8 0.0 - 8.2 76.9 14.5 0.4 - 49.3 20.2 3.2 26.8 8.1 0.0 38.1 4.1 5.6 2.2 0.0 11.9 2.7 24.9 4.7 0.1 32.4 8.6 3.5 0.875 0.738 0.672 0.250 0.804 0.860 0.723 0.640 0.000 0.895 0.731 0.821 0.859 0.500 0.885 0.792 0.765 90 742 218 1 1051 112 156 64 0 332 76 681 129 4 890 234 98 98.9 96.7 94.4 100.0 96.4 95.7 98.1 100.0 - 97.6 100.0 95.5 96.3 100.0 96.0 94.7 97.0 1 12 13 0 26 5 3 3 0 0 0 8 0 16 5 0 21 12 2 1.1 1.6 5.6 0.0 2.4 4.3 1.9 0.0 - 2.4 0.0 2.2 3.7 0.0 2.3 4.9 2.0 0 13 0 0 13 0 0 13 0 0 0 0 0 0 0 0 16 0 0 16 1 1	SH 205	SH 205	SH 205

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 4



Turning Movement Peak Hour Data Plot (7:30 AM)

# GRAM Traffic NTX Inc. 1120 W. Lovers Lane

Arlington, Texas, United States 76013 817.265.8968

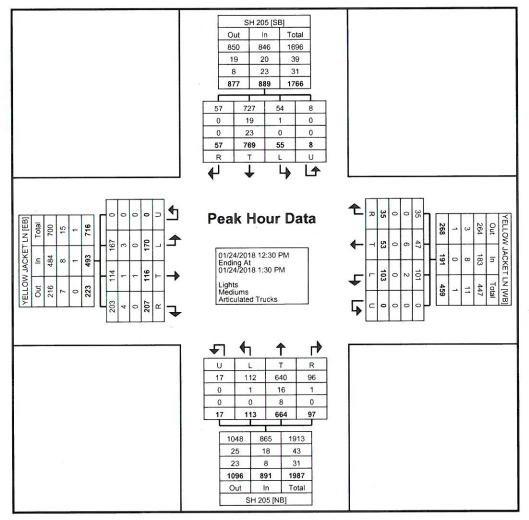
Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 5

Turning Movement Peak Hour Data (12:30 PM)

		· s	SH 205					OW JACH Vestbour				N	SH 205 Iorthbou		,			)W JACH			
Start Time	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	Int. Total
12:30 PM	17	178	7	2	204	34	14	10	0	58	26	149	15	8	198	40	28	49	0	117	577
12:45 PM	16	219	16	2	253	23	11	6	0	40	30	175	32	2	239	49	25	58	0	132	664
1:00 PM	13	173	19	3	208	22	20	12	0	54	28	153	25	5	211	41	30	57	0	128	601
1:15 PM	9	199	15	1	224	24	8	7	0	39	29	187	25	2	243	40	33	43	0	116	622
Total	55	769	57	8	889	103	53	35	0	191	113	664	97	17	891	170	116	207	0	493	2464
Approach %	6.2	86.5	6.4	0.9	-	53.9	27.7	18.3	0.0	-	12.7	74.5	10.9	1.9		34.5	23.5	42.0	0.0	(20)	-
Total %	2.2	31.2	2.3	0.3	36.1	4.2	2.2	1.4	0.0	7.8	4.6	26.9	3.9	0.7	36.2	6.9	4.7	8.4	0.0	20.0	-
PHF	0.809	0.878	0.750	0.667	0.878	0.757	0.663	0.729	0.000	0.823	0.942	0.888	0.758	0.531	0.917	0.867	0.879	0.892	0.000	0.934	0.928
Lights	54	727	57	8	846	101	47	35	0	183	112	640	96	17	865	167	114	203	0	484	2378
% Lights	98.2	94.5	100.0	100.0	95.2	98.1	88.7	100.0		95.8	99.1	96.4	99.0	100.0	97.1	98.2	98.3	98.1	-	98.2	96.5
Mediums	1	19	0	0	20	2	6	0	0	8	1	16	1	0	18	3	1	4	0	8	54
% Mediums	1.8	2.5	0.0	0.0	2.2	1.9	11.3	0.0	- 2	4.2	0.9	2.4	1.0	0.0	2.0	1.8	0.9	1.9	-	1.6	2.2
Articulated Trucks	0	23	0	0	23	0	0	0	0	0	0	8	0	0	8	0	1	0	0	1	32
% Articulated Trucks	0.0	3.0	0.0	0.0	2.6	0.0	0.0	0.0	-	0.0	0.0	1.2	0.0	0.0	0.9	0.0	0.9	0.0	-	0.2	1.3

### GRAM Traffic NTX Inc. 1120 W. Lovers Lane

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 6



Turning Movement Peak Hour Data Plot (12:30 PM)

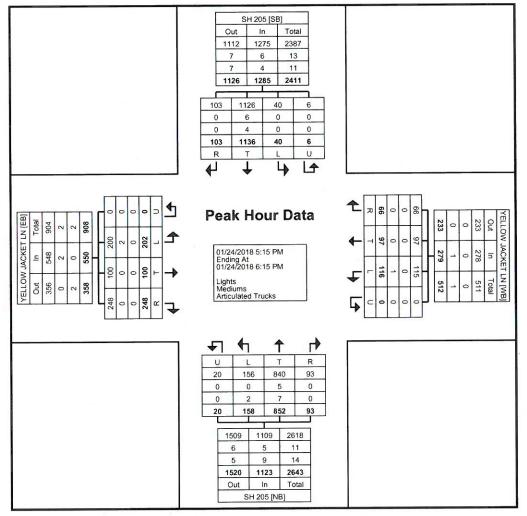
Arlington, Texas, United States 76013 817.265.8968

Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 7

Turning Movement Peak Hour Data (5:15 PM)

1												( -		,	0					
		SH 205				YELLO	OW JACK	KET LN				SH 205				YELLO	OW JACK	KET LN		
	S	outhbou	nd			٧	Vestbour	nd			N	lorthbou	nd			E	astboun	d		
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	int. Total
10	236	22	2	270	20	33	10	0	63	48	206	18	2	274	53	25	67	0	145	752
8	282	20	1	311	38	32	17	0	87	37	207	18	3	265	53	33	71	0	157	820
10	278	33	2	323	27	14	23	0	64	27	204	29	5	265	56	21	48	0	125	777
12	340	28	1	381	31	18	16	0	65	46	235	28	10	319	40	21	62	0	123	888
40	1136	103	6	1285	116	97	66	0	279	158	852	93	20	1123	202	100	248	0	550	3237
3.1	88.4	8.0	0.5	-	41.6	34.8	23.7	0.0	-	14.1	75.9	8.3	1.8	-	36.7	18.2	45.1	0.0		-
1.2	35.1	3.2	0.2	39.7	3.6	3.0	2.0	0.0	8.6	4.9	26.3	2.9	0.6	34.7	6.2	3.1	7.7	0.0	17.0	-
0.833	0.835	0.780	0.750	0.843	0.763	0.735	0.717	0.000	0.802	0.823	0.906	0.802	0.500	0.880	0.902	0.758	0.873	0.000	0.876	0.911
40	1126	103	6	1275	115	97	66	0	278	156	840	93	20	1109	200	100	248	0	548	3210
100.0	99.1	100.0	100.0	99.2	99.1	100.0	100.0	-	99.6	98.7	98.6	100.0	100.0	98.8	99.0	100.0	100.0		99.6	99.2
0	6	0	0	6	0	0	0	0	0	0	5	0	0	5	2	0	0	0	2	13
0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	-	0.0	0.0	0.6	0.0	0.0	0.4	1.0	0.0	0.0	-	0.4	0.4
0	4	0	0	4	1	0	0	0	1	2	7	0	0	9	0	0	0	0	0	14
0.0	0.4	0.0	0.0	0.3	0.9	0.0	0.0	-	0.4	1.3	0.8	0.0	0.0	0.8	0.0	0.0	0.0		0.0	0.4
	10 8 10 12 40 3.1 1.2 0.833 40 100.0 0 0	Left         Thru           10         236           8         282           10         278           12         340           40         1136           3.1         88.4           1.2         35.1           0.833         0.835           40         1126           100.0         99.1           0         6           0.0         0.5           0         4	Southbou	10 236 22 2 8 282 20 1 10 278 33 2 12 340 28 1 40 1136 103 6 3.1 88.4 8.0 0.5 1.2 35.1 3.2 0.2 0.833 0.835 0.780 0.750 40 1126 103 6 100.0 99.1 100.0 100.0 0 6 0 0 0.0 0.5 0.0	Southbound   Left   Thru   Right   U-Turn   App. Total	SH 205   Southbound   Left   Thru   Right   U-Turn   App. Total	SH 205 Southbound  Left Thru Right U-Turn App. 10 236 22 2 2 270 20 33 8 282 20 1 311 38 32 10 278 33 2 323 27 14 12 340 28 1 381 31 18 40 1136 103 6 1285 116 97 3.1 88.4 8.0 0.5 - 41.6 34.8 1.2 35.1 3.2 0.2 39.7 3.6 3.0 0.833 0.835 0.780 0.750 0.843 0.763 0.735 40 1126 103 6 1275 115 97 100.0 99.1 100.0 100.0 99.2 99.1 100.0 0 6 0 0 0 6 0 0 0.0 0.5 0.0 0.0 0.5 0.0	SH 205         YELLOW JACK           Southbound         YELLOW JACK           Left         Thru         Right         U-Turn         App. Total         Left         Thru         Right           10         236         22         2         270         20         33         10           8         282         20         1         311         38         32         17           10         278         33         2         323         27         14         23           12         340         28         1         381         31         18         16           40         1136         103         6         1285         116         97         66           3.1         88.4         8.0         0.5         -         41.6         34.8         23.7           1.2         35.1         3.2         0.2         39.7         3.6         3.0         2.0           0.833         0.835         0.780         0.750         0.843         0.763         0.735         0.717           40         1126         103         6         1275         115         97	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205	SH 205

Arlington, Texas, United States 76013 817.265.8968 Count Name: YELLOW JACKET LN @ SH 205 Site Code: Start Date: 01/24/2018 Page No: 8



Turning Movement Peak Hour Data Plot (5:15 PM)

ary	
HCM 2010 Signalized Intersection Summ	1: SH 205 & Yellowjacket Ln

Existing AM.syn

Existing Midday.syn

HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln 769 769 769

183

Lane Configurations Traffic Volume (veh/h) Future Volume (veh/h)

Movement EBL Lane Configurations Land Colume (vehh) 247 Traffic Volume (vehh) 247 Number Number 7 Number 7 Number 7 Number 7 Number 7 Number 7 Aga Factor Aga Sat Flow, veh Mnh 1900 Ad Sat Flow, veh Mnh 1937 Cap, veh Mnh 1938 Cap, veh Caleariga, s.	101 101 103 108 108 108 108 108 109 100 100 100 100 100 100 100 100 100	153 153 153 153 160 100 172 172 0 0 0.89 2 2 2 212 1101	117 117 117 3 0 0 1.00 1.00 1.00 1.00 1.00 1.00 1.0	159 159 159 0 0 1.00	WBR	NBIL	NBT AAA	NBR	SBL	SBT	SBR
	101 101 100 1.00 1.00 1.00 1.00 1.00 1.	153 153 153 14 100 1.00 172 0 0.89 2 2 212 212 1101	117 177 1.00 1.00 1.00 1.00 1.31 0.89	159 159 0 0 0 0 0 0	10	à	444				
	101 101 100 1.00 1.00 1.00 1.00 1.00 1.	153 153 153 14 0 0 1.00 172 0 0 0.89 2 2 2 2 2 2 2 1019 1101	117 1100 1100 1100 131 131 131 159	159 0 0 0.1	10	-			11-	444	
	101 1.00 1.100 1.13 1.37 1.37 1.37 0.00 0.00	153 14 0 1.00 172 172 0 0.89 2 2 2 2 2 2 1019 1101	11.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	159	40	80	713	134	92	167	231
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14 0 1.00 1.00 172 172 0.89 2.2 2.2 2.12 0.19	1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00	8 0 0°.	64	80	713	134	92	767	231
	1.00 1.00 1863 113 2 2 2 2 1.37 1.37 1.37 1.37	1.00 1.00 1.00 172 172 0.89 2.2 2.2 2.12 0.19	1,00 1,00 1,00 131 0 0,89 159	0 00.1	18	2	5	12	-	9	16
	1,00 1,863 1,13 1,37 1,37 1,37 1,19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.00 1.00 1.00 1.72 1.72 0.89 0.19 0.19	1,00 1,00 131 0,89 0,89 159	1.00	0	0	0	0	0	0	0
	1.00 1.83 1.32 1.37 1.37 1.37 0.00 0.00	1.00 1900 172 172 212 212 0.19 1101	130 0.89 0.89 ct	00.1	00.	1.00		1.00	1.00		1.00
	113 172 173 177 177 177 170 00 00 00 00 00 00 00 00 00 00 00 00 0	1900 172 172 212 212 0.19 1101	131 131 0.89 159		1.00	1.00	1.00	1.00	1.00	1.00	1.00
	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	212 212 0.19 1101	0.89	1863	1900	1863	1863	1900	1863	1863	1900
	0.89 0.19 771 771 0.0	0.89 212 0.19 1101	0.89	179	12	90	801	151	103	862	260
	0.89 0.19 771 771 0.0	212 212 0.19 1101	0.89	7	0	- :	,	0		2	0
	137 0.19 0.0 0.0	212 0.19 1101	159	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
	0.0	0.19	159	2	7	7	7	7	2	7	2
	0.0 0.0 0.0	1101		229	95	320	2060	386	371	1875	563
	0.0000	1101	0.14	0.14	0.14	0.05	0.48	0.48	90.0	0.48	0.48
	0 0 0 0		1169	1678	697	1774	4305	908	1774	3882	1165
	0 0:0	261	202	0	180	06	630	322	103	752	370
	0.0	1668	1804	0	1740	1774	1695	1721	1774	1695	1657
	0.0	17.9	13.1	0.0	11.9	3.0	14.3	14.4	3.4	17.7	17.8
		17.9	13.1	0.0	11.9	3.0	14.3	14.4	3.4	17.7	17.8
	•	99.0	0.65		0.40	1.00		0.47	1.00		0.70
p(c), veh/h	>	321	246	0	237	320	1623	823	371	1637	800
	000	0.81	0.82	0.00	92.0	0.28	0.39	0.39	0.28	0.46	0.46
ۍ پ	0	366	426	0	410	444	1623	823	205	1637	800
HCM Platoon Ratio 1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Jpstream Filter(I) 1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh 47.1	0.0	46.4	50.4	0.0	49.9	15.4	20.0	20.1	14.8	20.6	20.7
ncr Delay (d2), s/veh 17.4	0.0	10.2	5.6	0.0	1.9	0.2	0.7	1.4	0.1	6.0	1.9
nitial Q Delay(d3),s/veh 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
eh/ln	0.0	9.5	6.7	0.0	5.9	1.5	8.9	7.1	1.7	8.5	8.5
nGrp Delay(d),s/veh 64.5	0.0	56.5	53.0	0.0	51.8	15.6	20.7	21.5	15.0	21.6	22.6
INGIP LOS E		ш	O		O	89	O	O	В	O	O
Approach Vol, veh/h	563	No.	S STATE OF	382	27500	15 Tay 1	1042	NO.		1225	
Approach Delay, s/veh	8.09			52.4			20.5			21.3	
Approach LOS	ш			D			O			O	
imer	2	8	4	2	9	7	89				
Assigned Phs 1	2		4	2	9		80				
G+Y+Rc), s	61.0		27.8	9.6	61.5		21.1				
	* 5.1		5.7	* 4.8	* 5.1		5.7				
s.	* 32		25.3	* 13	. 33		27.3				
	16.4		21.8	5.0	19.8		15.1				
	0.7		0.3	0.0	0.7		0.3				
Intersection Summary											
		27.7									
HCM 2010 Ctrl Delay		31.7				9					Total Section
HCM 2010 LOS		د									

170 7 0 1100 1100 1100 1100 1136 1

NBT 664 664 664 664 664 664 0.0 3 3 0.93 2222 2222 0.50 0.50 0.449 6.449

Number Initial Q (Qb), veh Ped-Bite Adj(A\_pbT) Parking Bus, Adj Adj Sat Flow, vehh/lin Adj Flow Rate, vehh Adj No of Lanes Peak Hour Factor

1692 0.32 1692 11.00 11.00 14.9 0.0 4.5 15.4 15.0 15.0

0.00

0.00

Percent Heavy Veh. %
Cap. veh.h
Arrivo On Green
Sat Flow, veh.h
Grp Volume(v), veh.h
Grp Sat Flow(s), veh.h
Grp Sat Flow(s), veh.h
Grp Sat Flow(s), veh.h
Grp Caeri(g.-g), s
Prop In Lane
Grp Caeri(g.-g), veh.h
VIC Ratio(X)
Avail Cap(c.-a), veh.h
HCM Planton Ratio
Upstream Filter(1)
Uniform Delay (d.2), siveh
Innia Ot Delay(d.3), siveh
Innia Ot Delay(d.3), siveh
Innia Delay (d.3), siveh
Approach Vol. vehlh
Approach Delay, siveh
Approach LOS

8 8 13.9 8.1 0.1 0.1

. 52.1 . 5.1 . 29 . 29 . 29 . 0.5

5.8 5.8 5.8 0.0

23.6 5.7 21.3 17.6 0.3

> 3.8 3.8 0.0

Change Period (Y+Rc), s Max Green Setting (Gmax), s Max Q Clear Time (g\_c+1), s Green Ext Time (p\_c), s

Phs Duration (G+Y+Rc), s

206 15.4 D

531 49.8 D

Synchro 9 Report

+:\T1149.21 - Rockwall CFA TIA\Synchro\Existing Midday.syn

24.8 C

HCM 2010 Ctrl Delay HCM 2010 LOS Synchro 9 Report

H:\T1149.21 - Rockwall CFA TIA\Synchro\Existing AM.syn

			1980				-		590.1																														200000
Lsyn		SBR		103	16	0	1,00	0001	113	0 70	18.0	208	0.48	430	1787	25.0	25.0	0.24	866	866	100	1.00	24.5	0.0	12.9	26.9	2		8										poort
Existing PM.syn	-		4	1136	9	0	00	1863	1248	8 3	16.0	2302	0.48	4747	1605	25.0	25.0	E.	1644	1644	1.00	1.00	13	0.0	11.9	25.8	1412	25.8	ပ										Synchro 9 Report
۵	ø	SBL	<i>y</i> :	46		0	1.00				0.91				10	19	1.9	1.00	345	540	1.00	1.00	16.2	0.0	6.0	16.3													Syr
	4	NBR		5 6	12		90.			0	18.0	264	0.52	206	35/	16.4	16.4	0.29	924	924	1.00	00.	13.5	0.0	8.4	20.7	2												
	-	NBT	4	852	2	0	9	1863	936		16.0		0.52	1658	1605	16.4			1767	1767	1.00	00.	19.5	0.0	7.8	20.1	1234	20.2	ပ	00	8 01	5.7	20.3	14.1					
	1	NBI		178	2	0	100				ر د				196	7.1	7.1		313	443	1.00	1.00	8.9	0.0	3.5	19.6	۵			7									
	1	WBR		99	18	0	1.00	00.1	73			97	0.11	865	740	1111	111	0.51	191	268	1.00	1.00	58.6	0.0	5.5	62.8	u			9	9 2	* 5.1	* 44	0.8					
		WBT	<b>\$</b>	16	8	0	9	1.00	107	2 5	ر ۲۹۰۵	139	0.11	1238	0 0	00	0.0		0 0	0	1.00	0.00	0.0	0.0	0.0	0.0	307	65.0	ш	5	2 2	* 4.8	• 19	0.1					
	1	WBL		116	က	0	1.00	1900	127	0	0.91	157			163	12.1	12.1	0.78	201	281	1.00	1.00	59.0	0.0	6.4	6.99	u			4	30.5	5.7	31.3	26.4					
	1	EBR		248	14	0	1.00	1900	273	0	ر ۱۹۰	324	0.20	1583	273	22.5	22.5	1.00	324	376	1.00	1.00	126	0.0	11.0	64.6	ш			3						34.5	ပ		PM.syn
	1	EBT	4.5	3 6	4	0	90,	1.00	110	2	0.91	122	0.20	597	0 0	000	0.0		0 8	00.00	1.00	0.00	0.0	0.0	0.0	0.0	ROF	68.2	ш	2	2 74 5	*5.1	44	18.4					\Existing
ket Ln	4	EBL		202	1	0	1.00	00.1	222	0	0.91	246			332	24.4	24.4	29.0	369	428	1.00	1.00	52.7	0.0	14.1	71.2	<b>.</b>			-		* 4.8	* 19	3.9					41Synchro
1: SH 205 & Yellowjacket Ln			ane Configurations	Iraffic Volume (veh/h)	Jek		(Tdq		Adj Flow Rate, veh/h			Cap. veh/h				Orb Satisfice (s), venimin	c), s		p(c), veh/h	a) veh/h	HCM Platoon Ratio		Jufform Delay (d), s/veh	(a)	%ile BackOfQ(50%),veh/lin	nGrp Delay(d),s/veh	Login LOS	Approach Delay, siveh	Approach LOS		Assigned Phs			Max Q Clear Time (g_c+11), s Green Ext Time (n_c) s	ntersection Summary	HCM 2010 Ctrl Delay	HCM 2010 LOS	S	H:\T1149.21 - Rockwall CFA TIA\Synchro\Existing PM.syn
1: SH		Movement	Lane Con	Future Vo	Number	Initial Q (0	Ped-Bike	Adi Saf F	Adj Flow	Adj No. of	Peak Hou	Cap, veh/h	Arrive On	Sat Flow,	Grp Volur	O Servel	Cycle Q (	Prop In Lane	Lane Grp	Avail Cap(c	HCM Plat	Upstream	Uniform	Initial OF	%ile Back	LnGrp De	Annuach V	Approach	Approach	Timer	Assigned Phe Dura	Change	Max Gree	Max Q C	Intersect	HCM 201	HCM 201	Notes	H:\T1149

HCM 2010 Signalized Intersection Summary

1: SH 205 & Yellowjacket Ln

1

BO 2019 Background AM.syn

SS \$ 805 805 805 805

0 1.00 291 291

0 1.00 1.00 1.00 1.00

HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln.

BO 2019 Background Midday.syn	
205 & Yellowjacket Ln	

March Colores   Feb.   Feb.   Well		٩	1	P	6	ļ	1	1	-	_	4	٠	7
179   122   217   108   56   37   137   697   66   607     7	Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
179   122   217   108   56   37   137   697   102   66   807     7	Lane Configurations		4			414		E.	444		N.	441	
179   122   217   108   56   37   137   697   102   66   807     7	Traffic Volume (veh/h)	179	122	217	108	99	37	137	269	102	99	807	9
100	Future Volume (veh/h)	179	122	217	108	26	37	137	269	102	99	807	9
100	Number	1	4	14	3	80	18	2	2	12	-	9	16
100	Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	
100   100	Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900	Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
192   131   233   116   60   40   147   749   110   71   868   10   2   0   0   0   2   0   0   1   3   0   0   0   0   0   0   0   0   0	Adj Sat Flow, veh/h/ln	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1900
0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Adj Flow Rate, veh/h	192	131	233	116	09	40	147	749	110	71	898	65
0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	Adj No. of Lanes	0	2	0	0	2	0	-	3	0	-	3	Ī
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
223 154 291 168 99 66 417 2190 319 421 2278 102 020 020 020 009 007 049 049 049 049 1040 1137 784 1485 1774 1044 689 1774 4484 683 1774 4829 186 0 1601 1774 1044 689 1774 4829 1777 1774 1695 1777 1774 1774 1774 1774 1774 1774 177	Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	
137   784   4485   1774   1044   658   1774   4484   653   1774   4882   833   1774   4882   833   1774   4882   833   1774   4882   833   1774   4882   833   1774   4882   833   1774   8382   1888   0   1651   1774   0   1774   1695   1777   1774   1695   1777   1774   1695   1777   1774   1695   1777   1774   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   1777   1695   1777   17	Cap, veh/h	223	154	291	168	66	99	417	2190	319	421	2278	170
1137   784   1485   1774   1044   696   1774   4484   653   1774   4829   1808   180	Arrive On Green	0.20	0.20	0.20	60.0	60.0	60.0	0.07	0.49	0.49	90.0	0.47	0.47
1806   0   251   116   0   147   565   294   71   609     1806   0   1601   1774   103   174   1695   1747   174   1895     163   0.0   1650   6.3   0.0   5.5   4.1   10.2   10.4   2.0   116     16.3   0.0   15.0   6.3   0.0   5.5   4.1   10.2   10.4   2.0   116     16.3   0.0   15.0   6.3   0.0   5.5   4.1   10.2   10.4   2.0   116     16.3   0.0   15.0   0.0   0.0   0.0   0.0   0.3     16.3   0.0   0.0   0.0   0.0   0.0   0.0   0.3     10.4   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0   0.0     10.5   0.0   0.0   0.0     10.5   0.0   0.0   0.0     10.5   0.0   0.0   0.0     10.5   0.0   0.0   0.0     10.5   0.0   0.0   0.0     10.5   0.0   0.0	Sat Flow, veh/h	1137	784	1485	1774	1044	969	1774	4484	653	1774	4829	360
1806   0   1601   1774   0   1744   1695   1747   1774   1695   1163   163   0   55   41   1012   104   20   116	Grp Volume(v), veh/h	305	0	251	116	0	100	147	565	294	71	609	324
16.3   0.0   15.0   6.3   0.0   5.5   4.1   10.2   10.4   2.0   11.6   0.0   0.5   0.4   10.2   10.4   2.0   11.6   0.0   0.5   0.0   0.5   4.1   10.2   10.4   2.0   11.6   0.0   0.5   0.0	Grp Sat Flow(s), veh/h/ln	1806	0	1601	1774	0	1740	1774	1695	1747	1774	1695	1799
16.3 0.0 15.0 6.3 0.0 5.5 4.1 10.2 10.4 2.0 11.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.	Q Serve(g_s), s	16.3	0.0	15.0	6.3	0.0	5.5	4.1	10.2	10.4	2.0	11.6	11
0.63	Cycle Q Clear(g_c), s	16.3	0.0	15.0	6.3	0.0	5.5	4.1	10.2	10.4	2.0	11.6	11.6
354 0 313 168 0 165 417 1656 853 421 1600 4080 000 0080 0061 035 034 034 034 038 1600 1000 1000 1000 1000 1000 1000 100	Prop In Lane	0.63		0.93	1,00		0.40	1.00		0.37	1.00		0.20
0.86 0.00 0.80 0.66 0.06 1 0.35 0.34 0.34 0.17 0.38 1.40 0.10 0.10 0.10 0.10 0.10 0.10 0.10	Lane Grp Cap(c), veh/h	354	0	313	168	0	165	417	1656	853	421	1600	849
403 0 357 413 0 405 421 1656 853 455 1600 1100 100 100 1100 1100 1100 1100	V/C Ratio(X)	0.86	0.00	0.80	0.69	0.00	0.61	0.35	0.34	0.34	0.17	0.38	0.38
100 100 100 100 100 100 100 100 100 100	Avail Cap(c_a), veh/h	403	0	357	413	0	405	421	1656	853	455	1600	849
1.00 0.00 1.00 1.00 0.00 1.00 1.00 1.00	HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
389 0.0 383 438 0.0 435 120 157 157 119 170 143 0.0 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
143 0.0 9.5 1.9 0.0 1.3 0.2 0.6 1.1 0.1 0.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Uniform Delay (d), s/veh	38.9	0.0	38.3	43.8	0.0	43.5	12.0	15.7	15.7	11.9	17.0	17.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Incr Delay (d2), s/veh	14.3	0.0	9.5	1.9	0.0	1.3	0.2	9.0	1.1	0.1	0.7	1.3
95 0.0 75 3.2 0.0 2.7 2.0 4.9 5.2 1.0 5.6 2.2 2.0 4.8 1.2 16.3 16.8 12.0 17.7 3.2 0.0 4.8 12.2 16.3 16.8 12.0 17.7 3.2 0.0 4.8 1.2 16.3 16.8 12.0 17.7 3.2 0.0 0.5 0.0	Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
532 0.0 478 457 0.0 448 122 163 168 120 17.7 56 56 56 58 45.3 168 120 17.7 56 56 58 45.3 168 120 17.7 56 50.8 45.3 16.8 120 17.5 50.8 45.3 16.8 12.0 17.5 50.8 17.5 50	%ile BackOfQ(50%),veh/ln	9.5	0.0	7.5	3.2	0.0	2.7	2.0	4.9	5.2	1.0	9.6	6.
566 216 1006 B B B B B B B B B B B B B B B B B B	LnGrp Delay(d),s/veh	53.2	0.0	47.8	45.7	0.0	44.8	12.2	16.3	16.8	12.0	17.7	18.
566 216 1006 508 45.3 1006 508 45.3 15.8 508 45.3 15.8 50	LnGrp LOS	۵		۵	۵		۵	В	В	В	В	В	٦
508 45.3 15.8  1 2 3 4 5 6 7 8  1 2 3 4 5 6 7 8  1 2 3 4 5 6 7 8  1 2 4 5 6 8 8  1 42 24.3 10.8 50.8 14.2  1, s 62 29 21.3 62 29 22.3  1), s 40 124 183 61 136 83  1, 0 0 0.5 0.2 0.0 0.5 0.2  C C	Approach Vol, veh/h		929			216			1006			1004	
1 2 3 4 5 6 7 7 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Approach Delay, s/veh		20.8			45.3			15.8			17.5	
1 2 3 4 5 6 7 1 2 4 5 6 7 9.1 524 24,3 15 8 6 1. 9.1 524 24,3 16 8 0.8 1), s 6.2 29 21,3 6.2 29 1), s 40 124 18,3 61 136 1), s 0.0 0.5 0.0 0.5 C	Approach LOS		٥			0			B			80	
1 2 4 5 6 6 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Timer	-	2	3	4	5	9	7	8				
9,1 52,4 24,3 108 50,8 4,8 5,1 5,7 4,8 5,1 3,5 6,2 29 21,3 6,2 29 1),5 4,0 12,4 18,3 6,1 13,6 1),0 0,5 0,2 0,0 0,5 C C	Assigned Phs	1	2	Mark Mark	4	5	9	Part of the	80		THE STATE OF		
748 51 57 448 51 3,8 62 29 213 62 29 3,8 40 124 183 61 136 0,0 0,5 0,2 0,0 0,5 C	Phs Duration (G+Y+Rc), s	9.1	52.4		24.3	10.8	8.09		14.2				
nax), s . 62 . 29 . 213 . 6.2 . 29	Change Period (Y+Rc), s	* 4.8	* 5.1		5.7	* 4.8	* 5.1		5.7				
s 0.0 0.5 0.2 0.0 0.5 2.7 C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C	Max Green Setting (Gmax), s	* 6.2	* 29		21.3	* 6.2	* 29		22.3				
s 0.0 0.5 0.2 0.0 0.5 25.7 C	Max Q Clear Time (g_c+11), s	4.0	12.4		18.3	6.1	13.6		8.3				
	Green Ext Time (p_c), s	0.0	0.5		0.2	0.0	0.5		0.2				
	Intersection Summary												
	HCM 2010 Ctrl Delay			25.7									
	HCM 2010 LOS			O									

67 67 11.00

123 123 123 100 100 100 100 1138 114 1173 11

Traffic Volume (vehrh)
Number
Hunder
Hunder
Hunder
Hunder
Hunder
Hunder
Hunder
Hunder
Hand Q (Qb), veh
Parking Bus, Adj
Adj Start Fow, vehrh
Adj No of Lames
Percent Heavy Veh, %
Cap, vehrh
Amire On Green
Sat Fow, vehrh
Grip Volume(v), vehrh
Amire On Green
Sat Fow, vehrh
Grip Volume(v), vehrh
Grip Sat Fow(s), vehrh
Grip Volume(v), vehrh
Amire On Green
Sat Fow, vehrh
Horn Grace
Lane Grip Caelo(c), vehrh
Avail Cap(c, s), s
Cycle Q Clent(g, c), s
Prop In Lane
Grip Caelo(c), vehrh
Horn Ration
Unform Bale (d), siveh
Inn Caelo (d), siveh

0 0 0 0

1.00 1863 842 3 0.89 2 1991 0.46 4308 662 1695 15.6

239 0.14 0.14

1.00 11863 119 2 0.89 0.20 713

790 1695 19.4

1584 1.00 1.00 1.10 1.1 1.1 0.0 9.3 23.3 C

0.00 0.00 0.00 0.00 0.00 0.00 0.00

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

1567 0.42 1100 1100 21.6 0.8 0.0 7.5 22.4 C

23.1

401 52.1 D

591 61.9 E

Approach Vol, veh/h Approach Delay, s/veh Approach LOS

8 21.7 5.7 27.3 15.7 0.3

6 59.7 \* 5.1 \* 33 21.5 0.7

28.8 5.7 25.3 22.8 0.2

\* 5.1 \* 32 17.8 0.7

Assigned Phs
Assigned Phs
Phs Duration (G+Y+Rc), s
Change Pentod (Y+Rc), s
Max Green Settin (Gmax), s
Max Q Clear Time (g\_c+Y1), s
Green Ext Time (p\_c), s

\* 4.8 5.8 0.0

H:\T1149.21 - Rockwall CFA TIA\Synchro\BO 2019 Background AM.syn

33.0 C

HCM 2010 Ctrl Delay HCM 2010 LOS

Synchro 9 Report

H:\T1149.21 - Rockwall CFA TIA\Synchro\BO 2019 Background Midday.syn

Synchro 9 Report

BO 2019 Background PM.syn C 1483 1.00 1863 984 3 0.91 2 2364 0.51 4653 716 17.9 17.9 187 187 177 100 11.00 11 .5.1 .44 .29.6 0.8 0.00 0. 33.7 5.7 5.7 31.3 27.6 0.3 HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln 36.3 \*5.1 \*44 20.0 0.8 69.2 E Ť Assigned Phs
Phs Duration (G+Y+Rc), s
Change Period (Y+Rc), s
Max Green Setting (Gmax), s Max Q Clear Time (g\_c+11), s Green Ext Time (p\_c), s Incr Delay (d2), siveh Initial Q Delay(d3),siveh %ile BackOf0(50%),veh/In LnGrp Delay(d),siveh Sat Flow, veh/h Grp Volume(V), veh/h Grp Sat Flow(s), veh/h/ln Q Serve(g\_s), s Cycle Q Clear(g\_c), s Prop in Lane Lane Grp Cap(c), veh/h V/C Ratio(X) hintial (Q (Db), veh
Peet-Bite AdiffA\_pbT)
Parking Bus. Adi Adi Satt Fow, vehinin
Adi Flow Rate, vehinin
Adi No of Lanes
Peet Hour Factor
Cap, vehini Approach Vol. veh/h Approach Delay, s/veh Approach LOS Upstream Filter(I) Uniform Delay (d), s/veh Lane Configurations Traffic Volume (veh/h) Future Volume (veh/h) HCM 2010 Ctrl Delay HCM 2010 LOS Avail Cap(c\_a), veh/h HCM Platoon Ratio

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nchro 9 Report

**APPENDIX** 

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BO 2019 Total AM.syn Synchro 9 Report 21 21 21 Stop None None - - - - 2 2 2 2 23 6.94 6.94 7.08 7.08 , , t. A , H\T1149.21 - Rockwall CFA TIAlSynchrolBO 2019 Total AM.syn NB 12.3 B BR WBL - 993 - 0.024 - 8.7 - A - 0.1 44 490 490 490 0 Free None 0 0 92 2 2 2 533 HCM 2010 TWSC 3: Driveway 1 & Yellowjacket Ln NBLn1 EBT F 523 - 0.056 - 12.3 - B B - 0.2 4.14 993 WB 0.5 EBR WBL 5 0 0 Free None - . Movement EBT E
Lane Configurations Ather Tarlife Vol. wehth 526
Conflicting Peds, #fhr 0
Sign Control
R Channelized - Ne
Storage Length - Ne
Veh in Median Storage, # 0
Grade, % 0
Peak Hour Factor 92
Heary Vehicles, % 2
Mmnt Flow 572 Approach EB HCM Control Delay, s 0 HCM LOS 0.5 526 526 526 526 . Minor Lane/Major Minut Capacity (veh.h.) HOM Lane VIC Ratio HCM Control Delay (s) HCM Lane LOS HCM S5ti, %site Q(veh.) MajorMinor M.
Conflicting Flow All
Stage 1
Stage 1
Stage 2
Critical Hdwy Sig 1
Critical Hdwy Sig 2
Critical Hdwy Sig 2
Critical Hdwy Sig 2
Follow-up Hdwy
Pot Cap-1 Maneuver
Stage 1
Stage 2
Platoon blocket, %
Mov Cap-2 Maneuver
Mov Cap-2 Maneuver
Stage 1
Stage 1
Stage 1
Stage 1 Intersection Int Delay, s/veh

	4	1	~	1	ţ	1	1	4	4	1	-	A
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		*			4		N-	441		-	444	
Traffic Volume (veh/h)	272	110	165	125	169	19	16	749	141	16	809	254
Future Volume (veh/h)	272	110	165	125	169	29	97	749	141	97	808	254
Number	- 0	4 0	4 0	e (	00 0	9 9	2	7	12	- 0	9 0	_
Initial Q (Qb), ven	9 6	>	9	0 0	0	9 6	9	0	9 6	9 6	>	2 6
Ped-bike Adj(A_pol)	8 8	1 00	100	9 0	1 00	9 6	1 00	1 00	8 8	3 5	100	9 6
Adi Sat Flow. veh/h/ln	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	306	124	185	140	190	75	109	842	158	109	606	285
Adj No. of Lanes	0	2	0	0	2	0	-	3	0	-	3	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	
Cap, veh/h	342	148	225	169	241	86	299	1955	365	346	1743	545
Arrive On Green	15.0	0.21	0.21	0.14	0.14	0.14	0.00	0.45	0.45	0.00	0.45	0.45
Sat Flow, venin	1649	aL/	1080	8/11	1682	689	4///	4308	804	4//1	3841	1200
Grp Volume(v), ven/n	1780		1671	1804	0 0	1742	1774	1605	1724	4774	1605	1651
O Servela s) s	217	00	19.5	13.9	00	126	38	15.9	16.0	3 8 7	20.3	200
Cycle Q Clear(g_c), s	21.7	0.0	19.5	13.9	0.0	12.6	3.8	15.9	16.0	3.8	20.3	20.4
Prop In Lane	0.93		0.65	99'0		0.39	1.00		0.47	1.00		0.73
Lane Grp Cap(c), veh/h	369	0	346	258	0	249	599	1539	781	346	1539	749
V/C Ratio(X)	06.0	0.00	0.82	0.83	00.00	92.0	0.36	0.43	0.43	0.31	0.52	0.52
Avail Cap(c_a), veh/h	390	0 0	366	425	0 0	411	410	1539	781	472	1539	749
HCM Platoon Katio	8.6	8 8	8 6	8 8	3 8	3 8	3 8	9 0	8.5	3 8	3 8	8 8
Uniform Delay (d), s/veh	46.3	0.0	45.5	50.0	0.0	49.5	17.4	22.2	22.3	16.4	23.4	23.5
Incr Delay (d2), s/veh	20.9	0.0	12.3	5.9	0.0	1.8	0.3	6.0	1.8	0.2	1.3	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vale BackOrd(50%), ven/in	67.2	0.0	57.7	52.0	0.0	513	17.6	22.1	0.8	16.6	7.42	9.8
LinGra LOS	я Н	3	- ш	D	9	0	8	O	O	8	O	3
Approach Vol. veh/h		615			405			1109			1303	
Approach Delay, s/veh		62.8			52.1			22.9			24.4	
Approach LOS		ш			0			O			ပ	
Timer	1	2	က	7	2	9	7	8				
Assigned Phs	-	2		4	5	9		80				1
Phs Duration (G+Y+Rc), s	10.5	58.1		29.6	10.5	58.1		21.9				
Change Period (Y+Rc), s	* 4.8	* 5.1		2.7	* 4.8	* 5.1		5.7				
		* 32		25.3	* 13	* 33		27.3				
Max Q Clear Time (g_c+11), s	5.8	18.0		23.7	5.8	22.4		15.9				
Gleen Ext time (p_c), s	0.0			7.0	0.0	5.0		0.0				
Intersection Summary												
HCM 2010 Ctrl Delay			, , ,									
			34.1									

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Synchro 9 Report

NBL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BO 2019 Total AMsyn	NBT SBT SBR	443	1097	987 1997 9	Œ.	2 '	1	0	0	92	2 2 2 2 2 3 400 40	7611	Major 2	0 - 0	1							SB		SBT SBR						1 AAA A CALL NI IN C. 1 A M
01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HCM 2010 I WSC 18: SH 205 & Driveway 2					Free	3 '		,	•	92	~ 0	>	Major1	- 109		7.14 -			-			NB NB	0	NBT EBLn1	- 684	- 0.017	- 10.4	e ;	- 0.1	

BO 2019 Total Midday.syn Synchro 9 Report H:T1149.21 - Rockwall CFA TIAISynchrolBO 2019 Total Midday.syn 40 40 Stop None - - - 2 2 2 43 3.32 . . 00 . . . A 709 Minori 790 569 684 584 584 584 352 350 795 309 795 530 - 994 - 0.047 - 8.8 - A HCM 2010 TWSC 3: Driveway 1 & Yellowjacket Ln . 4.14 . 2.22 . 994 1.5 994 Approach EB
HCM Control Delay, s 0
HCM LOS Minor Lane(Major Munt Capacity (vehft) HCM Lane V/C Ratio HCM Control Delay (s) HCM Lane LOS HCM 185th %site Q(veh) MajoriMinor M.
Conflicting Flow All
Stage 1
Stage 2
Critical Holwy Sig 1
Critical Holwy Sig 2
Politown broket, %
Mov Cap-1 Maneuver
Mov Cap-2 Maneuver
Sigge 1
Sigge 1
Sigge 1 Intersection Int Delay, s/veh

Movement	Color   Colo	EBI EBI EBR WBI WGT WGR NBI NBT NBR SBI SBT SQ4 129 224 112 60 37 162 697 102 66 814 204 129 224 112 60 37 162 697 102 66 814 100 100 100 100 100 100 100 100 100 1	1. 3H 203 & Tellowjacket LII	acker	-									infortaneous man and and	a)
## Comparison	## EBL EBI EBR WELL WELL NBT NBL NBT NBR SBL SBT SCA 129 224 112 60 37 162 697 102 66 814 27 4 14 3 8 18 5 2 12 12 66 814 62 67 102 66 814 62 67 102 66 814 62 67 102 66 814 62 67 102 60 814 62 67 102 66 814 62 67 102 60 60 100 100 100 100 100 100 100 100 1	## Carry Car		4	1	1	1	ţ	1	1	4	4	1	-	A
10	204 129 224 112 60 37 162 697 102 66 814 204 129 224 112 60 37 162 697 102 66 814 2	100   100	Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	S
204         129         224         112         60         37         162         697         102         66         814           24         129         24         112         60         37         162         697         102         66         814           10         1         0	204 129 224 112 60 37 162 66 814 24 129 224 112 60 37 162 66 814 24 129 24 129 6 37 162 66 814 27 4 4 2 24 112 60 37 162 697 102 66 814 100 1.00 1.00 1.00 1.00 1.00 1.00 1.00	204         129         224         112         60         37         162         697         102         66         814           204         129         24         112         60         37         162         697         102         66         814           10         0	Lane Configurations		<del>1</del>			ţţ		<u></u>	444		-	444	
204         129         224         112         60         37         162         697         102         66         814           7         4         1         3         8         18         5         2         12         1         6         814           100	204 129 224 112 66 37 162 66 814  7	204 129 224 112 66 37 162 66 814  7	Traffic Volume (veh/h)	204	129	224	112	9	37	162	269	102	99	814	
1,00	100	100	Future Volume (veh/h)	204	129	224	112	9	37	162	697	102	99	814	
100	100 100 100 100 100 100 100 100 100 100	100 100 100 100 100 100 100 100 100 100	Number Number	٠ .	4 C	4 0	m c	<b></b>	<u>ω</u> c	n c	NC	2 0	- 0	ی د	
1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00	Pod Bito Adi(A ph.T.)	100	>	9 6	9 6	>	100	100	>	9 0	9 6	>	-
1900   1863   1900   1900   1863   1900   1863   1863   1900   1863   1900   1863   1900   1863   1863   1390   139   241   120   65 40   174   174   110   17   1875   12   2   2   2   2   2   2   2   2	1900   1863   1900   1900   1863   1900   1863   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   130   139   139   241   120   65   40   174   174   110   71   875   12   2   2   2   2   2   2   2   2	1900   1863   1900   1900   1863   1900   1863   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1863   1900   1803   139   139   241   120   65   40   174   174   110   17   1875   12   2   2   2   2   2   2   2   2	Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
219         139         241         120         65         40         174         749         110         71         875           0         2         0         0         2         0         0         2         0         1         3         0         1         3         0         1         3         0         1         3         0         1         1         3         0         1         1         3         0         1         1         3         0         1         1         3         0         1         1         3         0         2	219 139 241 120 65 40 174 749 110 71 875 0 0 0 0 2 0 0 1 3 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	219 139 241 120 65 40 174 749 110 71 875 0.09 0.3 0.93 0.93 0.93 0.93 0.93 0.93	Adj Sat Flow, veh/h/ln	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	16
0 2 0 0 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 1 0 1 1 3 1 0 1 1 3 1 0 1 3 1 0 1 3 1 0 1 3 1 0 1 3 1 0 1 3 1 1 1 1	0 2 0 0 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0	0 2 0 0 0 1 1 3 0 0 1 1 3 0 0 1 1 3 0 0 1 1 3 0 0 1 1 3 0 0 1 3 3 0 0 3 0 3	Adj Flow Rate, veh/h	219	139	241	120	65	40	174	749	110	71	875	
0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93	0.93  0.93	Adj No. of Lanes	0	2	0	0	2	0	-	e	0	-	3	
250 162 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	25	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
250 162 288 172 105 64 400 2125 310 410 2138 120 120 1 20 1 10 10 10 10 10 10 10 10 10 10 10 10	250 162 288 172 105 64 400 2125 310 410 2138 120 1202 1 0.21 0.10 0.10 0.10 0.08 0.47 0.47 0.06 0.46 1203 377 1432 1774 1080 685 1774 4844 683 1774 4699 1328 0 271 120 0 105 1774 4849 683 1774 4699 1400 0.00 1600 160 160 0.58 5.0 10.5 10.5 10.6 20 12.4 17.6 0.0 16.0 16.6 0.0 5.8 5.0 10.5 10.6 20 12.4 17.6 0.0 16.0 16.0 16.0 16.0 16.0 10.0 12.4 17.4 1895 17.4 1895 17.4 1895 17.4 1895 17.4 1895 17.4 18.5 17.6 0.0 16.0 16.0 16.0 16.0 10.0 12.4 17.8 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	250 162 288 172 105 64 400 2125 310 410 2138 1202 1202 1774 1020 685 1774 4844 6839 1774 1482 1774 1080 685 1774 4844 6839 1774 1482 1774 1080 685 1774 1484 1689 1774 1774 1689 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1689 1774 1774 1774 1774 1774 1774 1774 177	Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	
0.21 0.21 0.21 0.21 0.10 0.10 0.00 0.47 0.47 0.47 0.46 0.44 0.45 0.45 0.45 0.45 0.45 0.45 0.45	0.21 0.21 0.21 0.21 0.10 0.10 0.08 0.47 0.47 0.47 0.46 0.44 0.32 0.27 1774 1080 0.65 0.48 1774 4.84 6.53 1774 4.699 1.803 0.1610 1774 0.01 174 565 294 71 650 0.48 176 0.01 1774 0.01 1774 1695 1774 1695 1775 0.01 1774 1775 0.01 1774 1775 0.01 1775	0.21 0.21 0.21 0.21 0.10 0.10 0.08 0.47 0.47 0.47 0.46 0.46 0.46 0.17 0.10 0.10 0.10 0.10 0.10 0.10 0.10	Cap, veh/h	250	162	298	172	105	64	400	2125	310	410	2138	~
1203   777   1432   1774   1080   685   1774   4484   653   1774   4689   1803   10   1774   1774   1685   1774   1689   1803   1777	1203   777   1432   1774   1080   665   1774   4484   653   1774   4689   1328   0   271   120   0   1015   1774   1685   1774   1689   1800   1774   0   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774   1774   1689   1774	1203   777   1432   1774   1080   665   1774   4484   653   1774   4689   1328   0   271   120   0   1145   1774   1685   1774   1689   1800   0   1774   0   1774   1689   1774   1774   177	Arrive On Green	0.21	0.21	0.21	0.10	0.10	0.10	0.08	0.47	0.47	90.0	0.46	0
328 0 271 170 0 105 174 565 294 71 650 170 170 170 170 170 170 170 170 170 17	328 0 271 170 0 105 174 565 294 71 650 170 170 170 170 170 170 170 170 170 17	328 0 271 120 0 105 174 565 294 71 650 176 177 180 177 176 160 177 177 177 178 178 178 178 178 178 178	Sat Flow, veh/h	1203	111	1432	1774	1080	665	1774	4484	653	1774	4699	٦
1803   174   174   1805   147   147   1805   147	176 00 1610 1774 0 1745 1774 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1747 1747 1895 1747 1747 1747 1747 1895 1747 1747 1747 1747 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1747 1895 1747 1747 1747 1895 1747 1747 1747 1747 1747 1747 1747 174	150. 1 174 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1747 1895 1746 175 175 175 175 175 175 175 175 175 175	Grp Volume(v), veh/h	328	0 (	271	120	0	105	174	565	294	7	630	m !
17.6   0.0   10.0   0.0   0.0   0.3   0.0   0.	17.6   0.0   10.0   0.0   0.0   0.3   0.0   0.	17.6 0.0 16.0 6.6 0.0 5.8 5.0 10.5 10.6 2.0 12.4 0.67 0.89 1.00 0.38 1.00 0.37 1.00 0.81 0.0 0.81 0.0 0.38 1.00 0.37 1.00 0.82 0.0 0.81 0.0 0.0 0.38 1.00 1.00 1.00 1.00 1.00 0.00 1.00 1.00	Grp Sat Flow(s),ven/h/in	1803	0 0	1610	1//4	0 0	1/45	1//4	1695	1/4/	1//4	1695	- 1
0.67	0.67	0.67	Cycle O Clear(a.c.) s	17.6	0.0	16.0	9.0	0.0	5.8	5.0	10.5	10.6	2.0	12.4	
3175 0 335 172 0 169 400 1607 828 410 1543  0.88 0.00 0.881 0.70 0.00 0.62 0.43 0.35 0.35 0.37 0.41  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	375 0 335 172 0 169 400 1607 828 410 1543  908 000 0811 070 000 062 043 035 036 071 041  100 100 1100 1100 1100 1100 1100	375 0 335 172 0 169 400 1607 828 410 1543 0 88 0.00 081 0.00 0.00 0.00 0.00 0.00	Prop In Lane	0.67		0.89	1.00		0.38	1.00		0.37	1.00		0.26
088 000 081 070 000 062 043 035 038 047 041 422 040 100 100 100 100 100 100 100 100 100	0.88 0.00 0.81 0.70 0.00 0.62 0.43 0.35 0.35 0.47 0.41 400 1.00 1.00 1.00 1.00 1.00 1.00	0.88 0.00 0.81 0.70 0.00 0.62 0.43 0.35 0.35 0.47 0.41 400 1.00 1.00 1.00 1.00 1.00 1.00	Lane Grp Cap(c), veh/h	375	0	335	172	0	169	400	1607	828	410	1543	810
402 0 359 413 0 407 400 1607 828 444 1543 100 100 100 100 100 100 100 100 100 10	402 0 359 413 0 407 400 1607 828 444 1543 100 100 100 100 1100 1100 1100 1100 1	402 0 359 413 0 407 400 1607 828 444 1543 1100 100 100 1100 1100 1100 1100 1100	V/C Ratio(X)	0.88	00.0	0.81	0.70	00.00	0.62	0.43	0.35	0.36	0.17	0.41	0.41
100 100 100 100 100 100 100 100 100 100	100 100 100 100 100 100 100 100 100 100	100 100 100 100 100 100 100 100 100 100	Avail Cap(c_a), veh/h	402	0	359	413	0	407	400	1607	828	444	1543	810
150   0.00   170	150   0.00   1	15.0 0.00 1.00 1.00 1.00 1.00 1.00 1.00	HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17.1 0.0 11.0 1.9 0.0 1.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	17.1 0.0 11.0 1.9 0.0 1.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	17.1 0.0 11.0 1.9 0.0 1.4 0.3 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Upstream Palay (d) shah	38.3	0.00	1.00	1.00 73.7	9.0	43.4	13.1	18.6	00.1	128	18.2	- 6
105 00 00 00 00 00 00 00 00 00 00 00 00 0	105 00 00 00 00 00 00 00 00 00 00 00 00 0	10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Incr Delay (d2), s/veh	17.1	0.0	11.0	1.9	0.0	1.4	0.3	9.0	1.2	0.1	0.8	
10.5	10.5	10.5	Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	_
5.54 0.0 488 45.6 0.0 448 133 17.2 17.8 12.9 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	Solution 1	Solution 1	%ile BackOfQ(50%),veh/lin	10.5	0.0	8.2	3.3	0.0	2.9	2.4	5.1	5.4	1.0	0.9	6.4
599 225 1033 524 45.2 16.7 8 1 2 3 4 5 6 7 8 5 9.1 51.0 25.5 11.0 49.1 14.4 5 14.8 5.1 5.7 4.8 5.1 5.7 10,15 4.0 12.6 19.6 7.0 14.5 8.6 11), 8 0 0 0.6 0.2 0.0 0.6 0.2	599 225 1033 524 45.2 16.7 18.8 1 2 3 4 5 6 7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8 8 16.7 8	599 225 1033 52.4 45.2 16.7 18 8 8 9.1 51.0 25.5 11.0 49.1 14.4 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 4.8 '5.1 5.7 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2	LnGrp Delay(d),swen	25.4	0.0	8.8	45.6	0.0	8 4	13.3	71.7	8 /	12.9 D	19.0	-
52.4 45.2 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	52.4 45.2 16.7 16.2 16.7 16.2 16.7 16.2 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	52.4 45.2 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	Approach Vol. veh/h	u	500			205		٥	1033	٥	٥	1034	
1 2 3 4 5 6 7 8  s 9,1 510 25,5 110 49,1 14,4  x),8 6,2 29 21,3 6,2 29 22,3  11,5 40 126 196 70 14,5 86  0.2 0.0 0.6 0.2 0.0 0.6 0.2	1 2 3 4 5 6 7 8  s 9.1 510 25.5 110 49.1 14.4  s) *** *** *** *** *** *** *** *** *** *	1 2 3 4 5 6 7 8 1 1 2 3 4 5 6 7 8 2 9.1 510 25.5 15 48 51 14.4 3 4.8 5.1 5.7 4.8 5.1 5.7 4.8 5.1 5.7 11), s 4.6 7.2 7.9 7.0 14.5 86 11), s 0.0 0.6 0.2 0.0 0.6 0.2 2 1.3 6.2 7.9 2.3 2 2.3 7.3 6.2 2.9 2.2 3 2 2.3 7.3 6.2 2.9 2.3 2 2.3 7.3 6.2 2.9 2.3 2 2.3 7.3 6.2 2.9 2.3 2 2.3 7.3 6.2 2.9 0.0 0.6 0.2	Approach Delay, s/veh		52.4			45.2			16.7			18.9	
1 2 3 4 5 6 7 1 2 4 5 6 s 9,1 51,0 25,5 11,0 49,1 s, *48 *5,1 5,7 *48 *5,1 1),5 *6,2 *29 21,3 *6,2 *29 1),5 *40 126 196 70 14,5 0,0 0,6 0,2 0,0 0,6	s 91 510 25,5 110 491 s 48 51 5,7 48 51 s, *48 51 5,7 *48 *51 1),5 40 126 196 70 145 0.0 0.6 0.2 0.0 0.6	1 2 3 4 5 6 7  1 2 4 5 6  2 9.1 510 25.5 11.0  8 48 51 5.7 148 5.1  8 N,1s 62 29 29  11), s 40 126 196 70 145  11), s 0.0 0.6  27.1	Approach LOS		O			O			8			89	
s 91 510 255 110 491 s *48 *51 57 *48 *51 kx,s *62 *29 213 *62 *29 11);s 40 126 196 70 145 00 06 02 00 06	s 91 510 255 110 491 s *48 *51 57 *48 *51 xx,s *62 *29 213 *62 *29 11),s 40 126 196 70 145 00 06 0.2 0.0 0.6	s 91 51.0 25.5 11.0 49.1 s • 4 8 • 51 25.5 11.0 49.1 s • 4.8 • 51 21.3 • 6.2 • 2.9 11.3 • 6.2 • 0.0 0.6 0.2 0.0 0.6	Timer	-	2	60	4	50	9	1	00				
s 9.1 51.0 25.5 11.0 49.1 s 48.5 s 48 5.1 5.7 48 5.1 48 5.	s 9.1 51.0 25.5 11.0 49.1 s 48.5 1 5.7 48 51 5.7 48 51 1.3 6.2 29 21.3 6.2 29 11.3 40 12.6 19.6 19.6 0.0 0.6	s 9.1 510 255 11.0 49.1 s 48 51 57 48 51 48 51 48 51 48 51 48 51 48 51 48 51 48 51 48 51 48 51 51 51 51 51 51 51 51 51 51 51 51 51	Assigned Phs	-	2		4	5	9		8				
s '48 '51 5.7 '48 '51 xy,s '6.2 '29 21.3 '6.2 '29 11,s 40 126 196 70 145 0.0 0.6 0.2 0.0 0.6	s *48 *51 57 *48 *51 xx,s *62 *29 21.3 *62 *29 11),s *40 *126 *196 *70 *145 11),s *00 *06 *0.2 *0.0 *06	s '48 '51 57 '48 '51 xy,s '62 '29 21.3 '6.2 '29 11),s 40 126 196 70 145 0.0 0.6 0.2 0.0 0.6 27.1	Phs Duration (G+Y+Rc), s	9.1	51.0		25.5	11.0	49.1		14.4				
xy, s *6.2 *29 21.3 *6.2 *29 11), s 4.0 12.6 19.6 7.0 14.5 0.0 0.6 0.2 0.0 0.6	x,, s '6, 2 '29 21.3 '6, 2 '29 11), s 40 126 196 70 145 0.0 0.6 0.2 0.0 0.6	x), s 6.2 .29 21.3 .6.2 .29 11), s 4.0 12.6 19.6 7.0 14.5 0.0 0.6 0.2 0.0 0.6 27.1	Change Period (Y+Rc), s	* 4.8	.51		5.7	* 4.8	* 5.1		5.7				
11), s 40 126 196 7.0 14.5 0.0 0.6 0.2 0.0 0.6	11), s 4.0 12.6 19.6 7.0 14.5 0.0 0.6 0.2 0.0 0.6	11), s 40 126 196 70 145 0.0 0.6 0.2 0.0 0.6 27.1	Max Green Setting (Gmax), s		* 29		21.3	* 6.2	. 29		22.3				
0.0 0.6 0.2 0.0 0.6	0.0 0.6 0.2 0.0 0.6	0.0 0.6 0.2 0.0 0.6 27.1	Max Q Clear Time (g_c+11), s		12.6		19.6	7.0	14.5		8.6				
			Green Ext Time (p_c), s	0.0	9.0		0.5	0.0	9.0		0.5				

Synchro 9 Report

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		10-					Ş																															W				
BO 2019 Total Midday.syn		NBL NBT SBT SBR	ቀቀቀ ቀቀቱ	0 961 1157 18	101 106	0 0 0	None -		- 0 0 -	0 0	92 92	2 2 2 2 2	1045 1258	Maior Maior 2															NB SE			NATERIAL SRT SRR	667					NOTES  Values accorde consolir. 6. Dales accorde 200. E. Committein Not Polinari. 1. All maior volume in platron.	IBY exceeds sous +. computation not beinned . All major volume in platform		H.Y.T.149.21 - Rockwall GFA TIAlSynchrolBO 2019 Total Midday.syn	
ay 2		EBR	DL:	3 5	77	9		0		•	92	7	77	2	639			7.14	1	1 6	3.92	700	i i	-	*662		. ,					NRTE				1 2		9	and and		IAISync	
Crivew	0.1	183		0 0	0				0 #	0	92	7	9	Minor	-		,		•		, ,	9 6	0		•				a	10.6	00							, tion	pacity	i	I CFA I	
HCM 2010 TWSC 18: SH 205 & Driveway 2	Intersection Int Delay, s/veh	Movement	Lane Configurations	Iraffic Vol, veh/h	Future vol. venin	Conflicting Peds, #nr	Sign Control	Storage Length	Veh in Median Storage, #	Grade, %	Peak Hour Factor	Heavy Vehicles, %	Mvmt Flow	Major/Minor	low All	Stage 1	Stage 2	Critical Hdwy	Critical Hdwy Stg 1	Critical Hdwy Stg 2	Follow-up Hdwy	Stare 1	Stage 2	Platoon blocked, %	Mov Cap-1 Maneuver	Mov Cap-2 Maneuver	Stage 1	olaye 2	Approach	ICM Control Delay s	HCMLOS	Minor I anothlainr Munt	anacity (veh/h)	HCM Lane V/C Ratio	HCM Control Delay (s)	HCM Lane LOS	TOWN SOUL YOUR CANNEL	Notes	-: volume exceeds ca		4:\T1149.21 - Rockwa	

HCM 2010 TWSC 2: Driveway 1 & Yellowjacket Ln BO 2019 Total PM.syn

BO 2019 Total PM.syn

25 25 0 Stop None - - - - - - 2 2 27

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Movement
Lane Configurations
Traffic Vol. veh/n
Future Vol. veh/n
Conflicting Peds, #fhr
Sign Control
RT Channelized

0.7

Int Delay, s/veh

Movement Lane Configurations Lane Configurations Landin Volume (vehM) Number ninial Q (Db), veh ninial Q (Db), veh Adj Apt T) Adj Sat Flow, vehMin Adj Flow Cate, vehMin Adj Row Cate, vehMin Adj Now Cate, vehMin Flow Cate, vehMin Adj Now Cate, vehMin Flow Cate, veh	EBL	EDT	200									
		101	EBK	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
		4			42,		15-	444		#	444	
	228	110	265	124	104	69	204	895	86	48	1198	122
	228	110	265	124	104	69	204	895	86	48	1198	122
	~ <	4 (	14	m (	ω «	18	0	2	12	- 0	9 (	16
	0	0	0	0	0	>	0	0	9	0	0	0
	1.00		9	1.00		1.00	1.00		1.00	1.00		1.00
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	1900	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1900
	251	121	291	136	114	76	224	984	108	23	1316	134
	0	2	0	0	2	0	-	3	0	-	3	0
	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
avy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
	275	133	346	166	146	100	300	2315	254	315	2108	215
	0.22	0.22	0.22	0.12	0.12	0.12	60.0	0.50	0.50	0.04	0.45	0.45
Sat Flow, veh/h	1235	298	1556	1411	1245	820	1774	4653	510	1774	4691	478
3rp Volume(v), veh/h	366	0	297	173	0	153	224	716	376	53	951	499
3rp Sat Flow(s),veh/h/ln 1	1801	0	1588	1792	0	1713	1774	1695	1773	1774	1695	1778
2 Serve(g_s), s	27.0	0.0	24.3	12.8	0.0	11.8	8.7	18.3	18.4	2.1	29.2	29.2
Cycle Q Clear(g_c), s	27.0	0.0	24.3	12.8	0.0	11.8	8.7	18.3	18.4	2.1	29.2	29.2
	69.0		0.98	62.0		0.50	1.00		0.29	1.00		0.27
p(c), veh/h	400	0	353	211	0	201	300	1687	882	315	1524	799
	0.91	0.00	0.84	0.82	00.00	97.0	0.75	0.42	0.43	0.17	0.62	0.62
Avail Cap(c_a), veh/h	428	0	377	281	0	268	409	1687	882	509	1524	799
0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Jpstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Jniform Delay (d), s/veh	51.6	0.0	909	58.6	0.0	58.2	23.9	21.8	21.8	18.6	28.6	28.6
ncr Delay (d2), s/veh	22.3	0.0	13.8	10.2	0.0	5.7	2.9	0.8	1.5	0.1	1.9	3.7
nitial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
eh/ln	15.9	0.0	12.0	6.9	0.0	5.9	4.5	8.7	9.3	1.0	14.0	15.1
/(d),s/veh	73.9	0.0	64.4	68.8	0.0	63.9	26.8	22.6	23.3	18.7	30.6	32.3
nGrp LOS	ш		ш	ш		ш	O	O	O	В	O	O
pproach Vol. veh/h		663			326			1316			1503	
Approach Delay, s/veh		9.69			66.5			23.5			30.7	
Approach LOS		ш			ш			O			O	
Imer	-	2	60	7	5	œ	7	00			Service Control	
Assigned Phs	-	2		4	2	9		00		1	-	
hs Duration (G+Y+Rc), s	9.1	71.3		34.9	15.7	64.7		20.7				
	* 4.8	* 5.1		5.7	* 4.8	* 5.1		5.7				
S.(	* 19	. 44		31.3	* 19	. 44		20.3				
Max Q Clear Time (g. c+11), s	4.1	20.4		29.0	10.7	31.2		14.8				I
Green Ext Time (p_c), s	0.0	0.8		0.3	0.1	8.0		0.2				
ntersection Summary				The same of the sa								
HCM 2010 Ctrl Delay			38.1									
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6.94

0 896
- 631
- 631
- 584
- 584
- 584
- 352
- 280
- 492
- 269
- 269
- 269
- 724

Major/Minor

Conflicting Flow All
Stage 1
Stage 2
Critical Hokey Sig 1
Critical Hokey Sig 2
Stage 1
Stage 2
Stage 1
Stage 1
Stage 1

619

944

Synchro 9 Report H:T1149.21 - Rockwall CFA TIAlSynchrolBO 2019 Total PM.syn

14 NBLn1 EBT EBR WBL WBT ... 509 ... 944 ... 0.068 ... 0.032 ... 126 ... 89 0.2 B .

Winor Lane/Major Mwrnt Capacity (vehh) HCM Lane VIC Ratio HCM Control Delay (s) HCM Lane LOS HCM Lane LOS

12.6 B

WB 0.8

Approach EB HCM Control Delay, s 0 HCM LOS

0.2 ·

H:1T1149.21 - Rockwall CFA TIAlSynchro\BO 2019 Total PM.syn

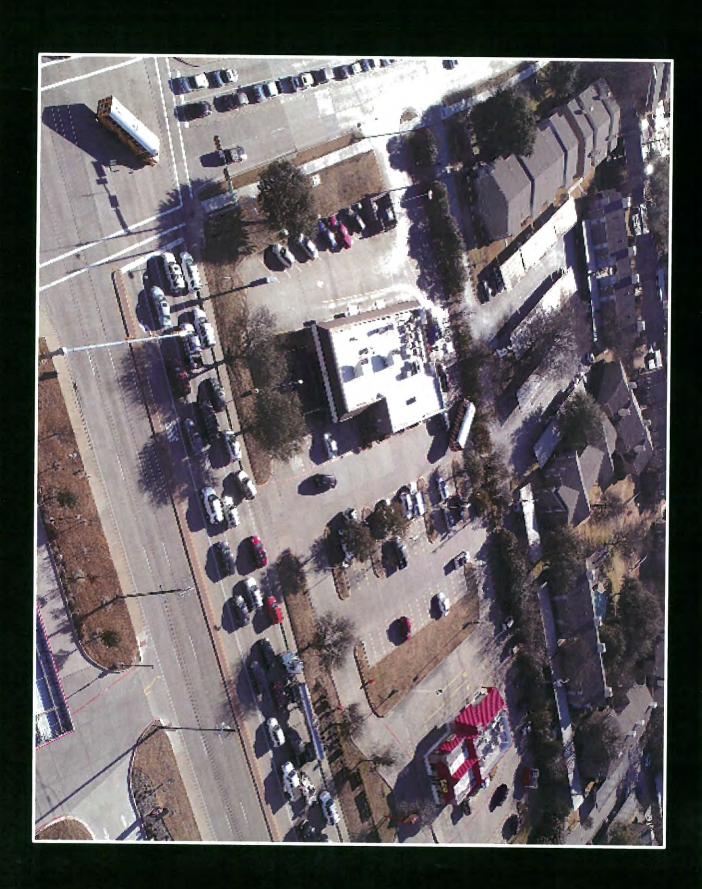
Synchro 9 Report

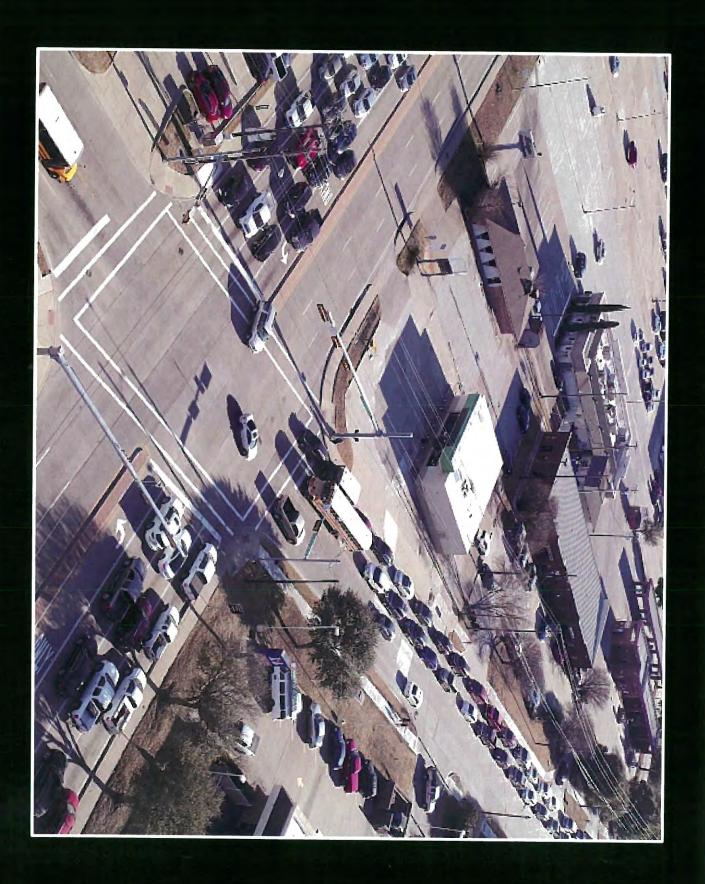
**APPENDIX** 

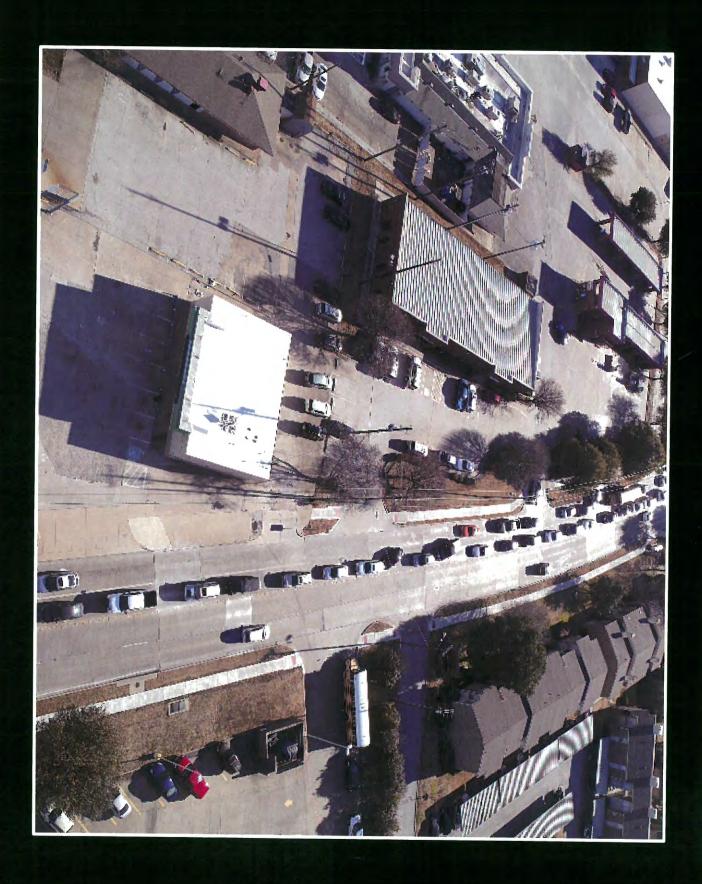
HCM 2010 Signalized Intersection Summary 1: SH 205 & Yellowjacket Ln

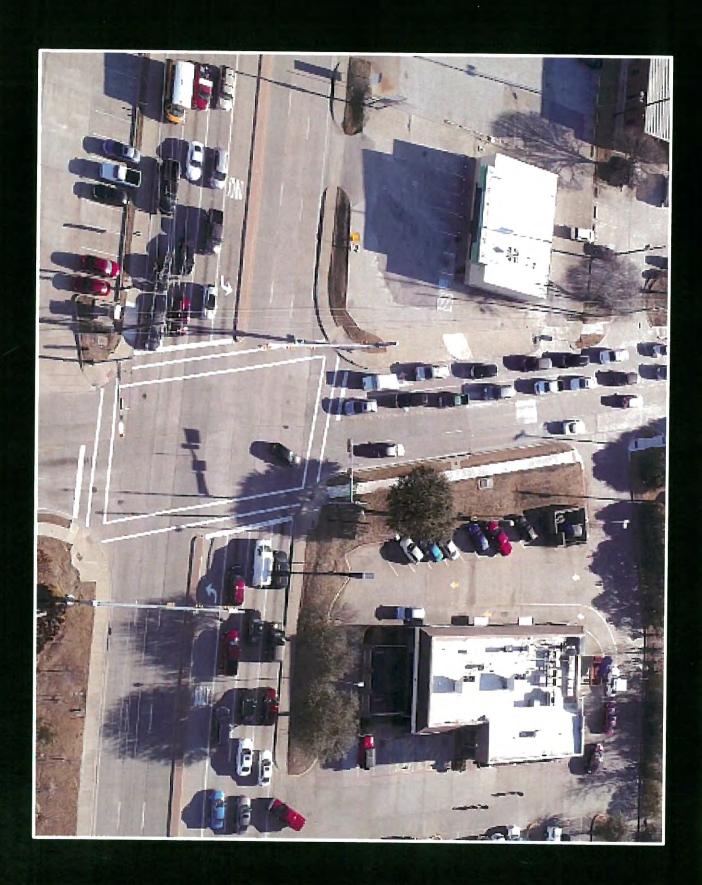
PAGE 43

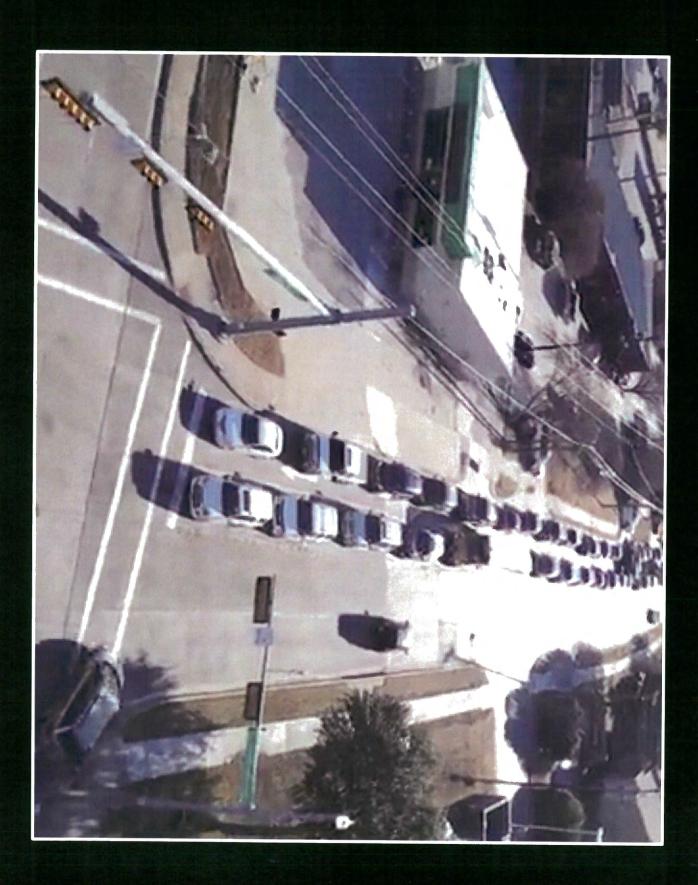
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HCM 2010 TWSC 3: SH 205 & Driveway 2	8	Int Delay, s/veh 0	Movement Et	Lane Configurations	Iraffic Vol, veh/h	Coefficting Dods #fhr		pez		dian Storage, #		Peak Hour Factor Heavy Vehicles. %		Major/Minor Minor/	ow All	Stage 1	Stage 2	Critical Hdwy	Critical Hdwy Stg 1	Critical Hdwy Stg 2	Pot Can-1 Maneriver	Stage 1	Stage 2	Platoon blocked, %	Mov Cap-1 Maneuver	Mov Cap-2 Maneuver	Stage 2		HCM Control Delay, s 1'	Minor I and Major Ment	Capacity (veh/h)	HCM Lane V/C Ratio	M Control Delay (s)	HCM 95th %file O(veh)	Notes	Volume exceeds capacity	HilT1149.21 - Rockwall CFA TIAlSynchrolBO 2019 Total PM.syn	



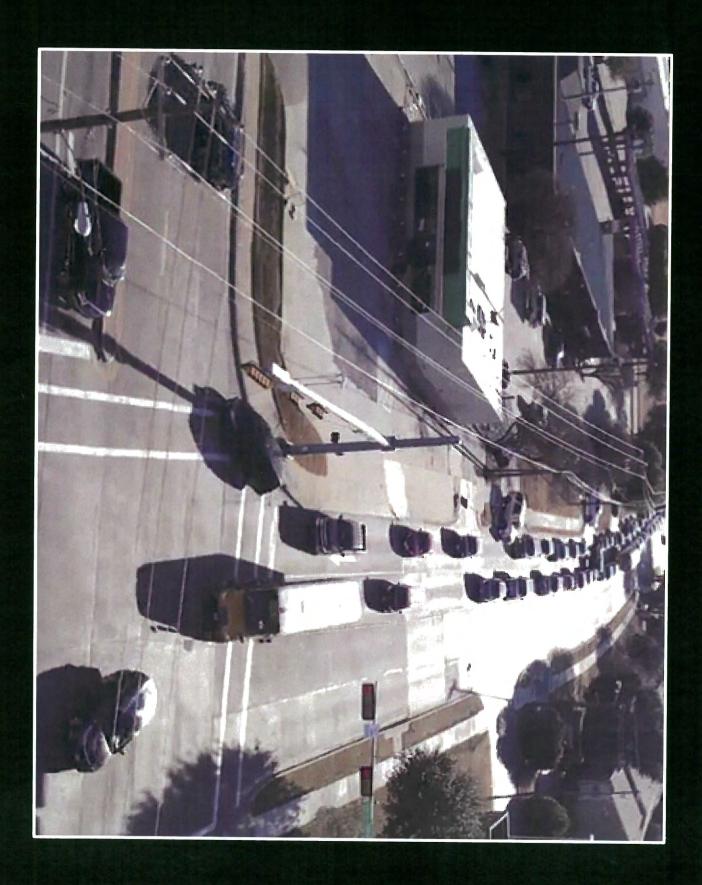


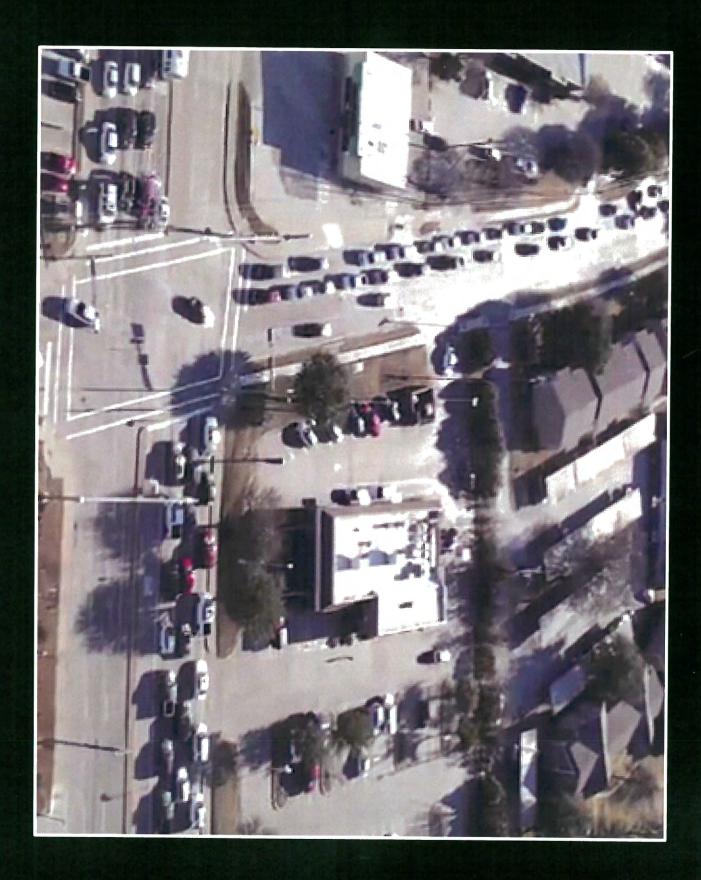


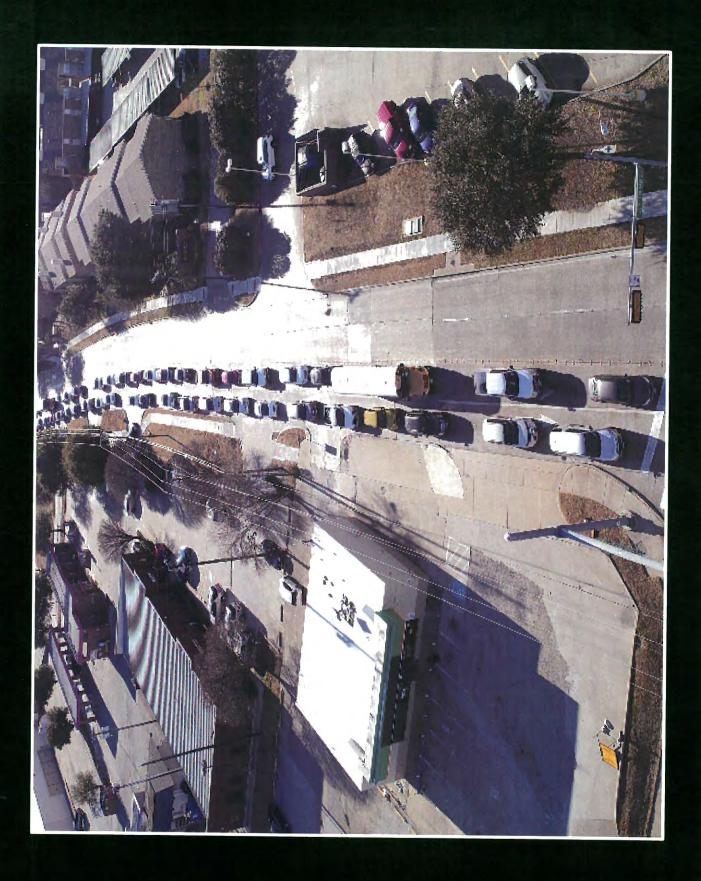












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Name/Address: - // //
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Terri Middletruck 220 meedowpark Ln Blu 75032
L. Strall 1410 S. Golocal Rockwall
De Lane 6740 Horizon Red Rodewords 75032
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TCHRISTOPHER DEBONN 301 MARGARISTST FATE TX 75189
But 1 377 Porfeen lakynt 75097
Lactua + nomes 377 Buybung Rockwall, TX 75087
Kyle Wille 304 Henry M Charelter Dr. Rockwell, T8 75032
Zachary Wilson 1650 John King Rockwall, Tx 75032
Morgan Naylor 204 (ascade valley Dr. 75087
Knotin Naylor 204 (ascade Valley Pr 75087
Bill Naylor 204 cascade valley Dr 75087
Shalon Alford 1650 & John Hing Blvd 75032
MARCIA HASENHAGER 828 TRUMPETER WAY 75032
Bany Wherehold 2381 Saddlebrook >508>
Lorston Octor 21101 Darkery D. Burkery D. 18232

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Name/Address: Rockwall Miramar Susan GREEN DR 9105 Heartstone 15087 7503 ROCKWALL 75032 oconnell 7508 CWAI LISA connell

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	Name/Address:
	Savannah Witt 202 meadoudate Rodwall
	Devek Ifine 202 Mendovdale Rochsall
	PAHI MCDALD 1832 Morrish Ln, Heath
	Mindy Harris 7406 Silverthorn Dr Roulett
	Kristina Haynes 819 Sunflower Tel Rockwall
	MARY Taylor 408 Caddo in West Tayaroni 75474
	Telma Bellmal 1987 & FM 980, Doctory TV 75760
	Alon Boll 74065. Trestan Dr Roulett Tx
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	SWah Robinson asky Deer Ruker Parall Toxes
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promote safety of the citizens and bus	sillesses of Rockwall.		
Name/Address:			
\/\d\\\	2070 Pontchartray	Pocke TX 7500	
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Certain much	- 301 Star St. 6	Zakwail	275087
David Gra	8650 Southwestern Blud.		75206
Delight to	- 721 Country Club	leeth	
Haden Mills	607 Envillaged claire	hocerul!	Tx 75087
Caladres	607 Knollwood Dr.	Pockwall, Tx.	15087
Buffaistt	1592 Sunset Hill	Rockvall, TX	75387
Sist Avery	2050 Garden Crest Dr	Rockwall	75087
Margel	1592 Sunget Hill	Rochwall	75087
Liz Keiser	2185 Hilleroft Dr.	Rochwall	75087
Trenton some	3026 Misty Gyllh.	ROCKWAN TS	75032
Christina Shark	176B Sexcap DV	Rowlett IX	75088
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Name/Address:
Liteum 400 Wirdest Dr. Kackwell IX 75082
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Dodic Jobuch 970w. yellow belet 34 - Kockwall 1x 75087
Elevanne Grunke 140 Liberty W ROCKWARE TO 1503Z
MARCOS MYCRS 248 G. DATES RU ROCKWAN TO 7503Z
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Greg Word 106 Scenic Dr. Heath, TX 75032
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25D-7 2092 PM 1139 RUCKUME 7775082
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Codi Chinn, 1041 Hampton Bay 75087
DXWER MDWPLANCE 1980 (red Side de Packwall, TX 75857
TENETURE MINING
PKN/W 12 WMS 709 W. Budstin 11 75087
Jane Taye 1296 Orescent Core 15087
of Roll of Bockingham Ir Hearth Tx 75032
Tharon Ollennon 162 Harker Tr. Rockwall, 75087

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Name/Address:
Legender 389 Florence Dr. Fate, TX 75087
Daylor Cameron 472 CR 2680 Hawkins Tx 75765
1804 BERKYWOOD DR POUSE LITY TX, 75189
psminiconley 3054 Tall Brook Dr Pockwall Tx 75032
DANEY COUNTY 1284 SOMERSET LU ROCKWALL TX 75032
CHRUSTIAN CONLEY 3054 FALLISPOOLS DIR ROCKWALL, TX 75032 ELETTE
terry Williams 1416 Phelps Lake Drive, Rockwall TV
Eve Madden 152 Pinion In Rockwall TX 75032
Clay Mailey 2904 Preston Trail Rockwall TX 75087
Mile Mi Cuin 150 Anna Code Pel Roland 17 1508)
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NEOLE STORY 2910 STAPBOARD ROCKWALL 75097
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Jean Rayan 1004 Starlight place Rockway its 75087
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Name/Address:
Kelli Swank 308 Iris Dr Rockwall Tx 75087
Sun Hornh 34 Windsor Dr Rachuell, TX 75032
Hampty Colf 514 Shannon Dr. Roxlewall Jx 752087
Influence 201 YACHT Club DR. ROCKWALL TX 75032
Dennis Stavart 272 Beech Dr Rockwell, Tx. 75032
William lone 1411 Foxwaller RoskullTy 75032
Brown Wolfe 3316 talksdeDr Rockwall 75087
Sarah Poderick 3316 Cakeside Dr. Rockwall, TX 75087
Troon Prits ass sen mangrove or fute Tr
Ting Frits 915 mangrove Dr Fate Tx 75087
helsey Elston 1345 Fidge Rd. Rockwall, TX 7508
Terry Campbel [7318 Darfmonth Rowlettx
STEMPAR FORM 108 ABAPA FORMULAN TO
JOHNNA PATHON BBOAE. WOODCREST CACLE
Sandy Rich 1395 Grass Valley DF Rockwall
the Clarton SIA Coverlidge Pa Health
Marin D. Neplate 333 Mariah Bay. Heath Jerks
DERVISH KRASUK 2875 HAMPSHIREN ROCKWALL, TX 75032
Leonore Krasnic 2875 Hamsbre In Rochall TY 75032
Sech Honry 1 33157 51. Point, TV 75472

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Name/Address:	
Marieune Rose 518 Collins Ln Rodewell 7	75087
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Ungo 100 Meso 251 Harvest Rida Rockwall To	5032
Ros Rinshausen 25/ Harvest Ride Rackwall TS	032
Risa foesch, 3012 Fontura Blid Rockwell-	75032
Marrien Stamer 203 Summit Ridge Dr Rockwall 75	1032
Sessica Pobertson BOO Madison Drive Pockwall 7	
George Dellars 1017 Gralam di Poutel 75087	
Ben Ferguson 1114 Abundon of Rockmill 75032	
Grabby Lan 190 cameron Dr. Fate 75189	
CHERISEE FODDIGICA 295 N. KRIBER Rd POYSECITY TX 75180	1
Gree Smithburg 1131 Street man Rd Royse City Tx 75180	
allera Aussicker 1137 streetman pd. Royse City TX 1818	
Chyssa Chussicker 1131 streutman Rd Royse City TX. 7	
Tress Correct 1131 Streetman Rd. Rouse City To	x 7513

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Name/Address:	
KATHY LUCAS 3846 Huy 69 So. A	
DAND BUCHANON 365 SEC RO	cheral 75087
JERRY ALGARIN 2901 SARATOGA DR R	OCKWAL 75087
BRENDA ALGARIN 2901 SARATOGA DR R	OCKWAL 75087
Susan Shores 7107 Harlan Dr. Ki	sckwall 75081
MBMhit 1030 Arbor Vew A Karkus	
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canca respective mockwan and a customer or Luigi s, braum s, Chicken Express, Dairy Queen, Saurma's Honst of Hobby Lobby

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Name/Address: 221 oreno Shields T189057 75440 Matta Bour 1168 FM 2324 ARBORVIEW

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Name/Address:	
William Jackson	1547 morphy Dr.
TRACY ACCLEARIN	715 BAXTERTRAIL
Flow of The	225 Suntide Pr.
Hende Saylo	1490 John King Bl
Mag Davis	FSUL CIDERY Came Rods
Morrie Selby	2700 Hidden Trails Rayse
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Ashles Bluck	1571 Water Way of lockweel, The
Ken Tay	6 10 Deversar Dor
Milleddown	270 Mendu Park LN 75032
Joan Marshall	504 Meadowlake Ln, - Heath
& hill	161 Yorkshire Dr. 75032
Delhie Whitefall	16/ Yorkshire DR Heath, 75032
Aurel S. News.	2820 Dono 1 +6 1605 750
Edishoth Louismo	10 7755 CR 100 302 1000
Tel Jogan	7755 CL-3-2
DADE ELSON	167 YORKSHIPC DEVE
Tontraso	1017 Hurbar Cont
fat Tunning	301 Star St.

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Name/Address: /ABU 1990 Boken Lynce La Rockul 1, 1475037	
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forther 2374 Sordstone Kockupl' TX 75087	_
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Cody Henson 2715 Green Gables Ct. Rockwall TX 7508	7
1. A Stay Rose 436 Wyndemore Heath TX 75032	
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( Apply ( Smphell 1550 Fair Lakes Pt. Do. Rockwall, 7 750	78.
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179 Plus AII LA To 75189	
Wichella Martin 2770 Stoney Hollow Ln 75087	_
Tamblaglister 136 Oxford Dom Heast, TX 75032	_
Zach Jaker 8209 Turnberry St. Lowlett, TX 75089	
Was Tucker 1001 5 Her 78 Wille To 35098	
(1) 4/02 N Hwy 205 Rockwall, Tx 75087	_
2495 SAWAUF Rd HOUSTON IX 77380	

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Name/Address:
Sacithat 118 National der nockwall TV 75032
Frence Than 118 National Dx Machinal TX 1003.
Scott Thorp 18 National Dr. Rockuril TX 75052
Thenes Muray 1536 Melrose lap Rockmall, 75 75032
Tristan Murray 1536 Melrose Ln. Dockwall, TX 75032
Lou Wilkerson 2190 Lake Forest Dr Backwall 75087
Hoem Deta 900 DAVY Brownest Rochway +775087
Bord Went 720 W xellow Jacket LA Rockwall 75077
Kristina Haynes 818 Sunflower It Rochwall TX 7503Z
Theresa Cruz 3845 Pinebluff Lane Bockwall Tx 75032
Joseph CRUZ 3845 Pirubbuff Lane Rockwall TX 75032
Chandre Loh 3405 Magnolia Ct. Radott TX 75089
Duskh 3405 Magnitu Ch. Loutet Teras 75089
Sienna Natson 1038 Shepard Ln. Lavon TY 75166
Brithney Watson 1034 Shepard Lane Lavon, Tx 75/66.
TOBANNE CHARON 1038 Stoparl Lane Lavon TX. 75/66
Udrianna Gwinn 120 Vz Cr 3870 Wills Point TX 75149
Ashley Patrick 438 Yacht Club # A Rockwall 75032
Pa sent Kimmen 972-489-8779
Polle Poerrey 814 Caluin Garland TX

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Name/Address: Hartfield	TN and	109 Chares	et.
Valerie Shell: 10	246 Dowe	109 Chyper	75032
Williams	514 Bis	Oal (OT Rockery)	175087
Michael 18-2	5 Aunda La	prestrall TX 75	052
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Lame C. Kirsch	, ,		15032
		ds Hill Rockwall T	175087

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Name/Address:	
Brian Moreno	142 Elmridge Cir Rockwall, Tx
Maysel Arrowood	219 Harris Dr. Rockwell TX
Sally Derrick	2805 lidgeld Rockwall, TX
Stephanie Lycas	11669 Hickory Creek Le Rokuall Tx
My the Safe	2001 S. Colad, Rockwall Ix
Lenda Bennett	987 Brany Hell In Rochevall
Sport Frag	503-Carrage Trai) - Rockwall Tx
UARS	1651 C.R. 249 Terrell, TR
Melina J. Bane	1 1651 CR 249 TerrellTX
Tamm & Down	J757 Venue Ct Rokuall
manda Brown	157 Venistt. Karburt
A	207 RANCHTRL ROCKWALL
VSandra Kirchner	7126 Hunt Ln Rockwall
Karitemonitch.	13 amity In Rockwall 75087
hatie Entrekin	2116 Fm 2453 Roysetd 75/89.
) on Havely	3006 Prestow (T. Rommy 11 75087
JOHN PERSENCE	1830 WIND HAL Rol Rockwall 75087
Adam Halkutt	1300 Stanford Drive Rockwall 75087
Jorgan Diaz	1935 Copper Ridge Circle Roduil 7037
CPMATT	711 W. BUY DUTUN AUX. ROCKWALL
	7508

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Name/Address: Blake Notziger 1911 (oastal de 75087 TX Pochual)
Yemsieen U. 186 Wine Dr 75032 To
MATT EVEDETT 2931 PAGGED SEC 101 15032
tagge Hail
Roman Coldren 5839 Huny 276 Tx. 75189 Royse City
Juli Wallace 705 N Mario Rd. 75087 Rickwark TX
Mike Charis Gol Shown ac 75051 Grand ArairiElx
JOHN HOPPER 309 Janes Pr 75032 HOLATH, TX
William Tim Brow 310 Hampton Dr. Fate TX 25087
Phia Winfor 118 COTTONWOOD DR FATUTX 75189
Charles Porbet 2835 marcia land Rochard To 75087
Shirley Rogers 1613 Amesbury WA. ROCKWAIIXX 75087
Cothupordan 3402 Toler Rd Rowlett TX 75089
Evelyn Henry 1675 Blummer Dr Rockwall TX 75087
Genell & Show 7107 Idorlan Dr
alka 131 Meadow pr. Rockwall 75032
Solly White 1206 S. Lakeshore P. Rodew
Gina CARMAN 125 Clipper Ct Rockwall TX 75032
Gina Cashman 125 Clipper Ct Rockwall TX 75032 Quina James 607 Westway DR Bolleson 75087

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Name/Address: C+
Miny, Wal Han 1500 Twin Circle De Rockwall 7503
Jam Jahr 292 PHESUF HELL ON NOCHULE 75032
Harrid Couch 988 Septoun Ct. Rochwall TX 7508;
Paul Carcio 597 Lone Rider Ct. Rockwall 75087
They Pour ch 10300 Liberty Corone Rd Rowlett 75089
(1/1/1 2937 Wild ask Ln Rockwall 750
Lieki Cardona 15087 934 Lexington Dr Padokwall Tr.
Hillam Dilbeck 2711 Egarridge LAND ROCKWallyx 7508
JackRobinson 2931Ridge Rd#101-162 Rockudt # 150
Chris Fabian S175 CR 643 Nevada, TX 75173
alipa Julis 1003 Seasinge at Rockwall 75087
There 6109 GRANTHAM DIVE TROCKNALL 75087
Sandelynd Maris 2931 Ridge Road Rockwall 75032
Many Burger 1849 Weiskop & Rock war 750:32
Willred Jant 1719 Weskope Rockwell, 77032
Refer 124 James Heath TX 75032
Donde 2014 Fairway LN R/CTX
Jalie Yu Brown 310 Hampton Dr. Fate TX
Janel Liligni 2954 Oak Dr. Pockwall TV 75032
Jamie Eggleston 612 England St. Fate 75189

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Name/Address:
KEUIN LOHMEYER 100 MANOR DRIVE HEATH, TX75032
Army Councton 588 Eagle Pass Rockwall TX 75089
Tunia Staten 9209 CR 2434 Rouse City TX 75189
Juson Staten 9009 CR 2434 Rouse City 7 5189
Josh Good 302 S. Tyles ST Rockwall TX 75087
Brundelford 302 S. Tyler St., Rockwall, Tx 75087
Brad Ray 6409 EYPROSS LN ROCKWOLL TX 75087
JAMES KINGY 10404 CR 2466 TRANKU TX 75/60
List Koshwell Heart 15032
Cindy Bretendoy Place Rockwall IX 75007
DONATHAN BANKS 9524 AFRICADO FATE TX 75087
Toloria Autina 716 Summit Ridge Rinkwall 74 7508
Grace Autrey 210 sommit Ridge Rochwall Tx Thorez
I Whit 802 William St hockwall TX 75005
C. UN M= CASLIN 188/ Regarent KILL LV. FAE 75/89
Chance Parish 311 Scenic Or Heart TX 75032 @
Jamie Wylie 808 north Alamo Róckval) +X 7508>
MHODE 300 RUGH CREER DR GUEARUL 75083
Charl Hays 143 Coolwood of Mescrite X 75149

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Name/Address: Bill Lofland 1200 Ridge Rd. ROCKWCM, TX 75087 BUTTA
Alex Young 410 normand Henry to 75032
JoAnne Jordan 213 Rockcrest Dr.
M CARRIERE 1425 E BUALL PUN RO ROCKWALL TX 75087
LISA CARRINERE 1425 E QUAIL RUN RO ROCKWALL TX 75097 Horek Kitchen 1410 S. Golland Dt. Rock 75087
Cinches Harrison 700 Stillwater Pr Rockwall 75087
Lolli James 5060 Bridgewell Dr Rockwau 75032
Frances Walsh 1650 Sonn King Blv Apt 3600th
Ronnie Wolch 12177 Huam Rd Wills Point 75/169
Kevin Former 7713 Spinnaber Cv Lowlett 75089
Andrew Neitard 332 Blackhow DR Fate TX
CHRIS DEDROCKI 2710 M. CORMICK OT BUKWALL 75032
CAROI TRIPODI: 935 DOGWOOD CA, LOCKEWALLY TX 75087
Jim Terpodi 935 Dogwood Un- Rockewall, TX 7508M.
Kathy Ingram 1410 S. Lalceshore Dr Rockwall TX 75087
Jeanne Memoch 885 N. Stalghell Kochevall TX 75087
Ben Oalnie 3002 Bayaide Prive, Routenal, TX
Tuck Covington 588 Eagle Pass Royce City Tx 75189



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Name/Address:
(Vernante Sarley) 1502 Penairidadir Rowlett, TX
MARK SANTOYO 7409 PACK LAND CD. ROWLEHT 25089
Janifer Thompson 292 Phoasant Hill Dr. Rochardt, Tr 75032
MS R.M. Hemin Troy Rd. 1explie TX 75098
Barbara Burnett 3000 BourierST Roulett TX 75088
Tang Boil 4201 channer De Rowh # TX 75088
Laura Wieland 1073 Kingsbridge Ln Rockwall Tx 75032
Belly took Let Greatist 7587
Jest Stone 115 Charleston LN 75789
Steve frakers 708 Twin View 75032
Shutta Faw Fins 708 Twin View Head 15032
Aluris Chinton 10323 Chun Vista Dr. Dallas, TX 75017
Donald Branen 10323 Glen Vista Dr. Dallas, TX 75217
Cindu Clinton 207. S. Alexander 1842 Duncanville TX
Hinter Clinton 2075. Alexander Exc. Dyncannille TX
Don H. Branco 8/01 Svetche in Dallas +x 752/7
Danish Melenney 201 Suctelle in Dallas +x 75217
Gende Walton 131 Freedom & Rock wall 75032-
Buth Betota 1452 Organbrook Rockyall, 75032

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1 1/	
Name/Address:	
Esuc Stran	138 Overbrook Dr.
Tammy Carra	240 Rocky Rd, Rockwall TX
Ken Hatch	200 Brozil De Hursd, TX
Jones William	1908 Boighton Ct Southlebe TX
Wayne Jana	604 Amhest Dr Rockwall Tx 25087
down all	1384 CHISTOSA NA. ROUGHALL TY 1508
Monnie Sauer	604 Auberst Ding Rochwell, TX 15087
Bob Barnots	3000 Bourier RouleTT 75088
Toy off	3010 BOQUIER ROWLE77 75088
PAN Drury	2100 Danbury DR Rockuph 75032
Joe M. Koland	2 Wift-hire C+ Rokkwall
Sun of Lot	429 COLUMBIADE ROCHWALL TY
Tonia Hattield	403 Blue Sage Dr Rockwall, TX
Marchie	919 Wisonwood in Fockwall, TX
and to	919 Wisperwood Br., Rockmall TX
The Thous	417 Miramar Dr. Rockwall TX
4 Chill Continue	1790 Comie In Rockwall, Tx
Marcia Lym	300 Tailouse In Rockwall, tr 75032
Mike have	300 Toulouse In Rockwell tx 75032
Nick Walter	131 Freedom et Rockwall

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Name/Address:	1
april Todd 1469 Skwart Dr Rockwar	$U_{X} 7503a$
John Todd 1469 Stewart Dr Rockwal	17x 7503a
Termifer Koduguz 537 Hickorylu, Rockwall	TX 75/32
Lindanichels Groman The Rockers	elt 5087
Jennifer Educas 941 W notph Hall Rodinar	1 12 75032
habay Sounders RiBiacol Quinton	
Katelyn Minix 2235 Ridge Rd. St 101 Pack	nall, TX 75087
140486 Doemes Rd Celina ?	
all. C 1454 Stewart Or Rockwold	1 TX 75038
Calle & yeth 8009 Marquett De Poullett	
Ronnie Ramb 228 Hackberry DR. Breen	
Charmein Cummer 2704 First St. Oa	1. /
Sherron Creach 2702 First St Olde	
ED CRONGH 2707 FIRET & CADON	<b>D</b> /
Holly Reynolds 507 Shoreview Dr Rodewall TX 75087 tra	effic and paneing issued
Robert Smith 905 Mendowslate De Royce City, TX 7	should beadaressed 75/89
Linda Goodwin 1031 N FanninSt Rockwal	
Joan Watson 20 Tennis Village Dr. Ne	rath, TX 15032
DEANNIE HILL 126 DEROMETR. FA	
DASID HILL 126 JEROME PR. FAT	

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	Name/Address:	
	Thanks While	424 Florena Mr. Kokurle, TX. 7508)
	duride smille	751 Eagle Pago, Donal City, TX 258G
	Viuce Smith	75/ Carlepass RaseCity TN 75/89
	Shea Aylorson	132 TUROLO DR ROCKWOLL, TX 75087
	Vous Julie	13de Tupelo Dr Rolleman TX 15087
	Rich Sommer	1042 SAINT Mongs Rocked To 75087
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	Choth Coss	8021(MIXSV. KOCKWELL, X 75087
	Total -	1502 Murphy Rockan 11 TX 7150
	I mile Carry	435 Janhan Jann Roburde In 15087
	Kyle Sandlin	3911 Poplar Point Dr. Rockwall, Tx 75032
Jeb.	ruRardy Lee	1870 Hilkoft Dr Rockwill, TX 75083
	Dear Lulla	1001 Holli Ln Rockwell, TX 75087
	Nice Temin	5537 Candda Ct Rockmall TX 18032
	Scott Low	1120 Sour Vanes Roccum TX 7587
	Slavi Jano	11 11 11 Cl (Same as above)
	(1200	216 CATTEVIEW DA POCEWALTY.
	Robert Miller	202604 PL 1800Kmill 17x 75087 DJ.

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Name/Address: MEYER	5 11775, 5m; th Roduals
Cray Blackersol	2220 Fieldonest DR Rockwall
Trent R. Rendra	1556 Parkside Cr 178032 Rockera)
Deliget	206 COX DT ROCKIDACE/IX
mul.	3125 Wimberley, Rockwall TX
Karen Makerines &	009 593 Miramar Dr. Rockwall, TX 3
Alton Smith	416 Senic D. Heath TX 75032
Lisa Verslan	1714 Hickor Creek Lan Reducto 75032
Shell mys	783 Hapover Dr. Rodwall TX 75087
Bruk BAKA	9865 (KUMA) It. LONGT TX 75088
Terry Myers	1345 Ridge Rd Apt 307 Rockwall, TV
ERICHAMMER	165 YOSK Shine Dr HEATH
Toper Turner,	1446 GREENBROOK DR ROCKWALL
Maring Dylin	2845 Lago Vista LV.
This Sty	8306 MARDOW WIEW SO
Jusan Hansley	1410 S. Soliad Rockwall
RNT	10713 Western Hills Rowlett
Tamela Baldin	1302 White Water Lone Rockwall
for over	1513 Greaterste De Rockard1
Im thatel	567 Rogers Way Rockwall itx

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	Name / Address.
	Name/Address: Namil Schiefer 2400 E. Stone Rel Uylie, TX
	Lail Schuele 2400 E. Stone Rd. Wylie Tx. 75098
	RAFAER DE LA CRUZ 1110 Midnight Pass Portroll TX 75087
	AJ SOFO 306 Star St., Rockwall, R 750F7
	Alexin Fields 1003 Seasonpe Ct. Rockwall TX 75087
	Robert Cobusis 149 Summerhill Dr. Rockwall Tx 15032
	Claredia Column 149 Summerhill Dr Rockwall, TX 75032
	Xen Vience 3079 N. GOLIADST Rockwall, TX 75087
	Inguitenel 3079 N. Golfad Rochwall TX 75087
(	Sleans cernialy 2401 Fielberest Dr Rockwall TX 75092
	Bevely Kelly 504 Margaret St. Faxe TX 75/89
	Son file 504 Mongoret St Fate TX 75/89
	July 5 harpley D Rackwell TX 75087
	Philippe Horn 450 Olyperdalo De Rockwal TX
	Pamelo of Harres 459 Cheppendal Dr Korkerall The 73032
	Sant Slave 1493 Hubbard Dr formen Tx 75724
	946 RIDGE BUNT HEOTH, TX 75126
	RINGEM 521 SHOKETRAIL ROCKWALL TX 75087
	Ginda Crawfred 33/5hreetrail Forkerall Tx 75087
U	R. Mershams 517 Shortral Rockwall 75087

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Name/Address:			
De Whling 168.	Muphy Ct. Nockwall-	TX 75087	
any Bedset 15	15 MURPHY DR K	DOCKWHU TX	75087
11 . 1	15 Murphy Dr Rox		
PHILBECKETT 151	5 MURPHY DR ROC	KLALL TX	15081
	W. Yellowjacket Ln Ruckua		
	00 W. Yellow, ecket In Apt.		
	1 1519 MURShy DA		11. 11. 11.
Michael PAHORSO	510 Ghanno Via	Roc Tx	75067
1	· 218 Cedanti		,
	2255 RIDGE RD		
Fric Frans	1438 Stewart Pr		
Steven to itzman	6 Shepherds Way		75032
Michael Thompson	608 take Meadows	Rockwoll	75087
Stare HiW	2240 Timber Creek	Rockwall	75032
Gary Rethmeier	6250 Lyons Rd	Garland	75043
Scott Smith	117 Stevenson Dr.	Fate . TX	75087
Melanie Benjamin	1016 Little Gull Dr.	Forney, Tx	75/26
BILL GAINES	209 SO, CAMESHORE.	DR. ROCKWALL	75087
Jennifer Drakein		Fate TX	75189
Justin Childers	2175 Jawden Clest DX	Rockvan	75057

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Wagne Nerstaur 517 SHORETRAIL ROCKWALLTX 75087
Justin Reyer 1000 English Rd, Rockwall, X75032
Yeinsteen Uc 186 Musie DR. Rockful, Tx 75032
Zachary Wilson 1650 apt. 1007 Rockwall, TX 75032
Catherine ULINSKI 1410 S. Colidd Rockwall TX 75087
MARK KIASUS 31 FRESIDY DE LOCUME TX 75087
May 915 Stephen Ct ) 51m
Brocks William 970 w Hellow nobet La Pockwaie 5087
MANTHONY Allen 410 N Jackson are Wylie Tx 75048
Kaylee Bushman 2176 Chibuie Dr. Rockwall TX,7508
1 Min 2008 Botchartsain Dr. Rodawall Tx 75087
Brent Sports 105 Elmbrest Br Rochwall Tx 25087
JIMW LANE 136 Tupdo Dn Kackwall TY 75087
HARRY WAITE IS CERUTATION DO ROKWALCTX 7503
During fivery 713 (MTMM, ROCKIEM
Britfilashingtion Is 508 Coma Vista Herster TX 75032
Thought 32 Winsy Com Rakush T4 75087
Nick Farrington 101 skyline Cir- Heath Tx 75032
Alfoto 2755 Green Gables Cr Rockwall Tx 75087
Tony Seal 308 Iris dr. Robert 7500

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Name/Address:		
Antonio Bolda	1457 Greenbrook Dr.	
Gail Goald	353 Marich R	ay
Jim Duld	353 Mariak Bo	
Jeen Gold	353 MARIAN A	TY DR. KEATH
Stephen North	513 Nikosor Way	Lockwell 75087
Dollard, Vonth	5/3 Z) máborl Vái	ROCKWOOD 75081
Steven Spencer	115 Wandley Was	Rockwall 75032
SCOTT CROSS	1118 NEWKIRK CT	ROCKWALL, 75032
MESTY YOU	2025 Trail Cd	ROCKWILL 15032
IN Silliams	3030 Stona 11 A	We Rochert XD8
Joey Jock	203 TRAILICT	Rocknell 75032
Share Hulthan	151 Henry M Chandler	Rockwall 75032
10hn Da Silve	35/4 Bridgewater D	<b>\(\sigma\)</b>
Dam Pescheel	3933 ROMA CTRO	,
Rich Thompson	1	BCKWALL, TX 75087
Ven Halosia		Pockwall TX 75057
Wrism Congin	402 ER ELLIS	Fate TX 75087
Josh Martin	308 Partridge Of.	Rockwall, TX 75032
For Collins	1490 Avontex DR.	Kathau TX 25087
Tammy Zeller.	2041 Trail Glen	Rackwall Tx 7503

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	·
Name/Address: Marguellos	116 Valen Dr. 1Fade 75189
Vo Delidder)	323 Yout Club DV Cockerall 75002
Mikel Meyen	315 Sante Fe Lane Royse City 75189
Cheryl Mc Mehon Hussan Fiyar	105 Sceptre Dr. Rockwall Tx 75032
Hussain Fryai	104 Dane Pattie Dr. RukwellTx 150
Stacy Dyw	308 Columbia Dr. Rockwall, Tx
medical	5326 Daytone Dr Garland IX704
E.H. TALENS	514 CHAPS DR. HEATH, TX, 75032
Dewards towell	540% Hay be GREEN/15 TY
Carleton Sterman	1470 John King Bld #1201 Rockwall TX
Lender Sherman	1470 John King Blo 1#1201 Bockwall, TX
12 are	120 Heakberry crack Rd
Trent Thompson	\$ 12 Amonda lane Rochuall IX
Kresuy Riddell 2	Soopheny in Executal. TX
Jami Westh	Il Mountain Lake Dr. Rockwell Dx 75087
Harry ma Ellars	1925 Si Lakeshore Bretwall 1475087
Michelene Trent	1500 Madison Drive Rodewall, TV 75032
Doug Key	217 Vernon DR Fate TX 75087
Heather Key -	217 Vernon Dr. Fate, Tx 75087
Polot Nand	2935 Newport Dr. Rockwall Ty 75032

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Monica Norton 2935 Newfort Dr. Rockwall TX 15032
Ami Crouch 808 Peterson St Rouse City, TX. 75189
Sara Brandow 808 Peterson St Royse City, 75189
MelinaMiller 12 Kimberly In Rockwall 75087
Angela Angel-Judd 508 Marian BayDr. Heath TX 75032
Se Duck + Downouto 7569 Hunker bleakork Rockwoll 1503
Low Badey 1136 Rabbit Ridge Rockwood 75032
JON BAILEY ROCKWALL 75032
Steve Brassil 551 Mckinvey TRL Fath TX 75087
Jenn Brass, 1 551 Moking Tr Fate TY 75087
Alux Barnes 10022 Links Fairney Rowless Tx 75089
Marry Barnes 10022 Links Fairway Rowlett To 75089
Will Johnson 1050 John (cin Blve Bockwall TX 75032
K. Mana 3418 bukeside Rockwall Tx 75007
Dewen Jutch (470 Shotios 469-353-4467
Ken Daliava (1/ 11 972/567-8414
Burbura Robisheax 11 214 4073-0840
Buttony Branco (1 214-632-9100
Naysh Select 1080 by lave 214-532-6955
11 1

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Name/Address: 2702 Fox chase lane Rockwall 75037 tollebele 2702 Foxchase LA 1510 Greenbroko 75031 dent of Rockwall and a customer of Luigi's, Braum's, Chicken Express, Dairy Queen, Sabrina's Florist or Hobby Lobby.

Bry concerned that a drive in/restaurant Chick Fil A at 205 and Yellow Jacket will be disruptive and create a dangerous aition and exacerbate already heavily congested traffic.

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Name/Address:

Steven Danna 107 Rose Marie Ln Rackwall, TX 75032
Megni Dinna 107 Neve Mane In Rudewall TX 75072
James T. Johnson 2209 McClendon Pocknall, 7x 75032
Stephanic Mompson 1551 Trombridge Circle Rockwall, TX 75032
Milhaul State 1551 Trowbridge Cir. RockerellTX 75032
Myra Johnson 2209 Mcclender & Rockward TK 75032
John Austin Smith 300 Star St. ROCKWall Ix 75087
Lorie Michelle Harry 300 Star St. Rackwall Tx, 75087
Blake Nofziger 1411 Coastal Rockwall Tx, 75087
Bailey Maxson 106 Emeralder Heath, Tx, 75032
HERTHIE MEHLEN 1006 Marris Ranch Ferney Tx, 75126
Christina Shayo 4613 Souscape Dr Rowlett TX 750000
Whitnee McGee 309 Sandy Lane Royse City, TX 75189
Hunter Jeffrey 220 Falcon Point Dr. Heath, Tx
Top Loving 1751-FM 1139 Mcloren TX
Mille 169 Quinto Circ Rockwell TX
Liz Cote 101 Poventwood & Packwallteath
Lang Caster 161 Brent weed Dr Rockwall TX
Larylle Itarber # 1427 Merophy Dr. Rockwall, TC
Jer Starton 1427 MURPHY Dr ROCKWALL, TX

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Name/Address:
Showna Lews 6 Dancing Waters Rockwall, TX 75032
John cewis 6 Dancing Westers Rockwall 75032
Candace Holloway 929 w Yellow Tatket La 10+ 602 Rockall 78087
JOSE MANDONADO 212. MULBERRY OR. FATE TX 75007
Plan Menyoz 591 Preezy Hill CN - Pachall, To 75087
Brenda Meado 591 Breezy Hillon. Rockwall, TX 75087
Bussell L. Heath 2033 Chisholm Trl. Rockwall TX 75032
WAYNE CURNENS 16 LAKEWAYOR HEATH 75032
Larisa Currens 16 LAKEWAY OR HEATH 75032
JAMES HUNDICH SOIMERDONGERPACE HOUTH & 75032
Dan Frazver 21 Lakeway Dr Heath, TX 75032
David Tent 1500 Madison Drive Rockwall Tx 75032
Tyler Johnson 643 stafford wide Acakanll Tx 7508
Liz Johnson 643 Stafford Circle Rockwall, Tx 7508
Allen 643 Stafferd Rechard 75087
Albay Nivoo 231 Lafayete Dr Meath
Clist Perry 5544 Canada Ct Rockwall Tr 75032
Tokany Sinis 6 Crestiew Cir borheall to 15087
Lawren som 140 Brentwood hearn tx 75432
Stephen Chandler 917 Bridle Path Ct Heath TX. 75032