Transportation Analysis

Union City Commerce Center DRI #3266

Fulton County, Georgia

Report Prepared:

April 2021

Prepared for:

Strategic Real Estate Partners, LLC

Prepared by:

Kimley-Horn and Associates, Inc.
11720 Amber Park Drive, Suite 600
Alpharetta, Georgia 30009
013805000

Transportation Analysis

Union City Commerce Center
DRI #3266

Fulton County, Georgia

Report Prepared:

April 2021

Prepared for:

Strategic Real Estate Partners, LLC

Prepared by:

Kimley-Horn and Associates, Inc.
11720 Amber Park Drive, Suite 600
Alpharetta, Georgia 30009
013805000

4/26/2021

TABLE OF CONTENTS

Executive Summary 3

1.0 Project Description 5

1.1 Introduction 5
1.2 Site Access 9
1.3 Internal Circulation Analysis 9
1.4 Bicycle and Pedestrian Facilities 9
1.5 Transit Facilities 9

2.0 Traffic Analyses, Methodology and Assumptions 9

2.1 Study Network Determination 9
2.2 Existing Roadway Facilities 12
2.3 Traffic Data Collection 12
2.4 Growth Rate 14
2.5 Detailed Intersection Analysis 14
2.6 Level-Of-Service Standards 14

3.0 Trip Generation 15

4.0 Trip Distribution and Assignment 15

5.0 Traffic Analysis 19

5.1 Estimated 2021 Conditions 19
5.2 Projected 2024 No-Build Conditions 21
5.3 Projected 2024 Build Conditions 24

6.0 Identification of Programmed Projects 27

LIST OF TABLES

Table 1: Proposed Land Uses 3
Table 2: Proposed Land Uses 5
Table 3: Intersection Control Summary 10
Table 4: Roadway Classifications 12
Table 5: Peak Hour Summary 12
Table 6: Traffic Count Comparison and Adjustment Calculations 13
Table 7: Net New Trip Generation 15
Table 8: Estimated 2021 Level-of-Service Summary 19
Table 9: Projected 2024 No-Build Level-of-Service Summary 21
Table 10: Projected 2024 No-Build Improved Level-of-Service Summary 22
Table 11: Projected 2024 Build Level-of-Service Summary 24
Table 12: Projected 2024 Build Improved Level-of-Service Summary 25
Table 13: Programmed Improvements 27

LIST OF FIGURES

Figure 1: Site Location Map 6
Figure 2: Site Aerial (Zoomed Out) 7
Figure 3: Site Aerial (Zoomed In) 8
Figure 4: Study Intersections 11
Figure 5: Roosevelt Highway ADT Comparison 13
Figure 6: Warehouse (Trucks) Trip Distribution & Assignment 16
Figure 7: Warehouse (Cars) Trip Distribution & Assignment 17
Figure 8: Project Trips 18
Figure 9: Estimated 2021 Conditions 20
Figure 10: Projected 2024 No-Build Conditions 23
Figure 11: Projected 2024 Build Conditions 26

LIST OF APPENDICES

Appendix A Land Use and Zoning Maps
Appendix B Proposed Site Plan
Appendix C Trip Generation Analysis
Appendix D Intersection Volume Worksheets
Appendix E Programmed Project Fact Sheets
Appendix F Raw Traffic Count Data
Appendix G Site Photo Log

EXECUTIVE SUMMARY

This report presents the analysis of the anticipated traffic impacts of the proposed *Union City Commerce Center* development located in Union City, Georgia. The approximate 227-acre site is located south of the intersection of Roosevelt Highway at Stonewall Tell Road. The proposed development will consist of three (3) buildings with an approximate total of 2,479,626 SF of warehouse.

The project is a Development of Regional Impact (DRI) and is subject to Georgia Regional Transportation Authority (GRTA) and Atlanta Regional Commission (ARC) review due to the project size exceeding 500,000 SF of an industrial development. The DRI trigger for this development is the filing of the rezoning application with the City of Union City, combined with the proposed development exceeding 500,000 gross square feet for industrial developments within a developing suburbs area. The DRI was formally triggered with the filing of the Initial DRI Information (Form 1) on February 26, 2021 by the City of Union City.

The applicant is applying for approval under Georgia Regional Transportation Authority's (GRTA) Development of Regional Impact (DRI) Non-Expedited Review process.

The project site is currently zoned for Light Industrial (M-1) and Single Family Residential (R-4) land uses, and the Atlanta Regional Commission (ARC) identifies the area as a developing suburbs area. According to the City of Union City Official Zoning Map, the site is surrounded by a combination of land uses, including Light Industrial (M-1) to the north and east, Single Family Residential (R-4) to the south and east, and Conditional (C) to the west. The Union City Future Land Use Map designates the area as an Industrial District.

The proposed project is expected to be completed by 2024. The proposed development will consist of the land use and density presented in **Table 1.**

Table 1: Proposed Land Uses

Land Use	Density
Warehouse	2,479,626 SF (new construction)

Capacity analyses were performed throughout the study network for the Estimated 2021 conditions, the Projected 2024 No-Build conditions, and the Projected 2024 Build conditions.

- Estimated 2021 conditions represent traffic volumes using historical count information and counts collected in March 2021, adjusted to represent typical traffic conditions before the current COVID-19 situation, per the memo to GRTA dated 4/8/2021.
- Projected 2024 No-Build conditions represent the existing traffic volumes grown for three (3) years at 4.5 percent per year throughout the study network, plus projected trips associated with the *South Fulton Parkway at Stonewall Tell DRI #2745*.
- Projected 2024 Build conditions represent the Projected 2024 No-Build conditions with the addition of the project trips that are anticipated to be generated by the *Union City Commerce Center* development.

Based on the **Estimated 2021** conditions (present conditions, i.e. includes volume adjustment factors for traffic counts collected during COVID conditions and excludes the background traffic growth and the estimated project trips from the *Union City Commerce Center*), Roosevelt Highway at Beverly Engram Parkway (SR 138) (Intersection 1), operates below the overall LOS standard of LOS D during the AM peak hour. Based on the methodology outlines in the GRTA Letter of Understanding (LOU), the standard LOS for this intersection is LOS E during the AM peak hour.

Based on the **Projected 2024 No-Build** conditions (includes background traffic growth and the South Fulton Parkway at Stonewall Tell DRI #2745 trips, but excludes the estimated project trips from *Union City Commerce Center*), Roosevelt Highway at Beverly Engram Parkway (SR 138) (Intersection 1), operates below the overall LOS standards during the AM and PM peak hours. In addition, Roosevelt Highway at Stonewall Tell Road (Intersection 2) is projected to experience excessive delay for the northbound approach during the AM peak hour and for the southbound approach during the AM and PM peak hours. Roosevelt Highway at South Fulton Parkway Eastbound Ramps (Intersection 4) is also projected to experience excessive delay for the southbound approach during both the AM and PM peak hours.

Based on the Projected 2024 No-Build Conditions scenario, the following are needed to achieve an acceptable LOS:

- Intersection 1: Roosevelt Highway (SR 14/US 29) at Beverly Engram Parkway (SR 138)
    - Construct one (1) right-turn lane along the westbound approach of Roosevelt Highway (SR 14/US 29). Approach will consist of one (1) left-turn lane, two (2) though lanes, and one (1) right-turn lane.
- Intersection 2: Roosevelt Highway (SR 14/US 29) at Stonewall Tell Road
    - Install a traffic signal if and when warranted and as approved by GDOT.
    - Construct a left-turn lane along the northbound approach of Stonewall Tell Road. Approach will consist of one (1) left-turn lane and one (1) shared through/right-turn lane.
    - Construct a left-turn lane along the southbound approach of Stonewall Tell Road Approach will consist of one (1) left-turn lane and one (1) shared through/right-turn lane.
- Intersection 4: Roosevelt Highway (SR 14/US 29) at South Fulton Parkway Eastbound Ramps
    - Install a traffic signal if and when warranted and as approved by GDOT.

Based on the **Projected 2024 Build** conditions (includes the background traffic growth, South Fulton Parkway a Stonewall Tell DRI #2745 trips, and the estimated project trips from the *Union City Commerce Center*), combined with the Projected 2024 No-Build improvements above, all study intersections are expected to operate at an acceptable LOS during the AM and PM peak hours.

Additional improvements are proposed to improve access to the site:

- Pave East Houston Drive from Stonewall Tell Road to the site.
- Bridge over the two sets of railroad tracks before continuing onto the site.

1.0 PROJECT DESCRIPTION

1.1 Introduction

This report presents the analysis of the anticipated traffic impacts of the proposed *Union City Commerce Center* development located in Union City, Georgia. The approximate 227-acre site is located south of the intersection of Roosevelt Highway at Stonewall Tell Road. The proposed development will consist of three (3) buildings with an approximate total of 2,479,626 SF of warehouse.

Because the project will exceed 500,000 square feet for industrial developments within a developing suburbs area, the proposed development is a Development of Regional Impact (DRI) and is subject to Georgia Regional Transportation Authority (GRTA) and Atlanta Regional Commission (ARC) review.

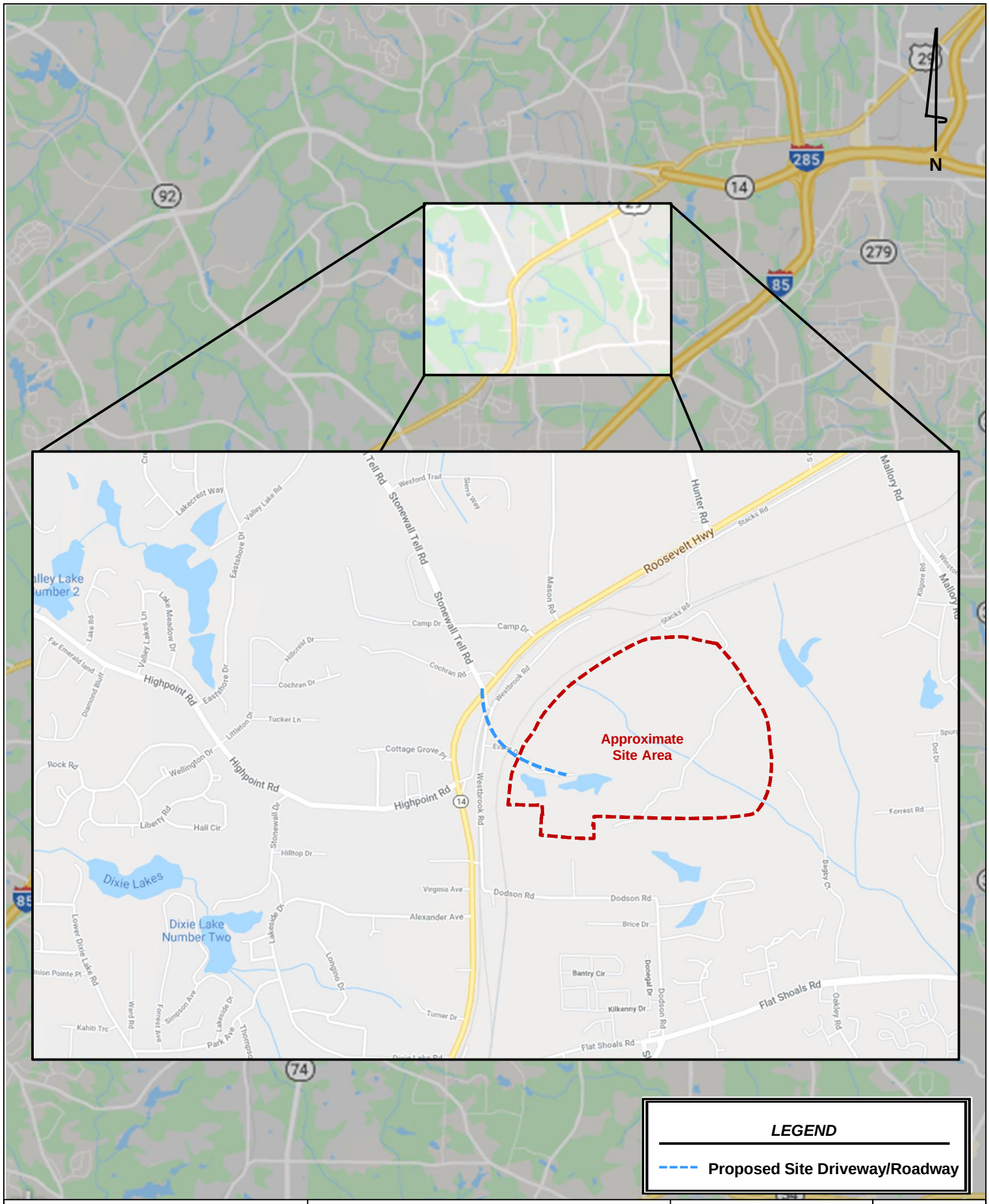
The applicant is applying for approval under Georgia Regional Transportation Authority's (GRTA) Development of Regional Impact (DRI) Non-Expedited Review process.

Figure 1 provides the site location of the *Union City Commerce Center* development. **Figure 2** and **Figure 3** provide aerial views of the project site and surrounding area. The City of Union City Zoning Map and the *Atlanta Region's Plan Unified Growth Policy Map* are included in **Appendix A**.

The proposed project is expected to be completed by 2024, and this analysis will consider the full build-out of the proposed site in 2024. A summary of the proposed land-use and density is provided below in **Table 2**.

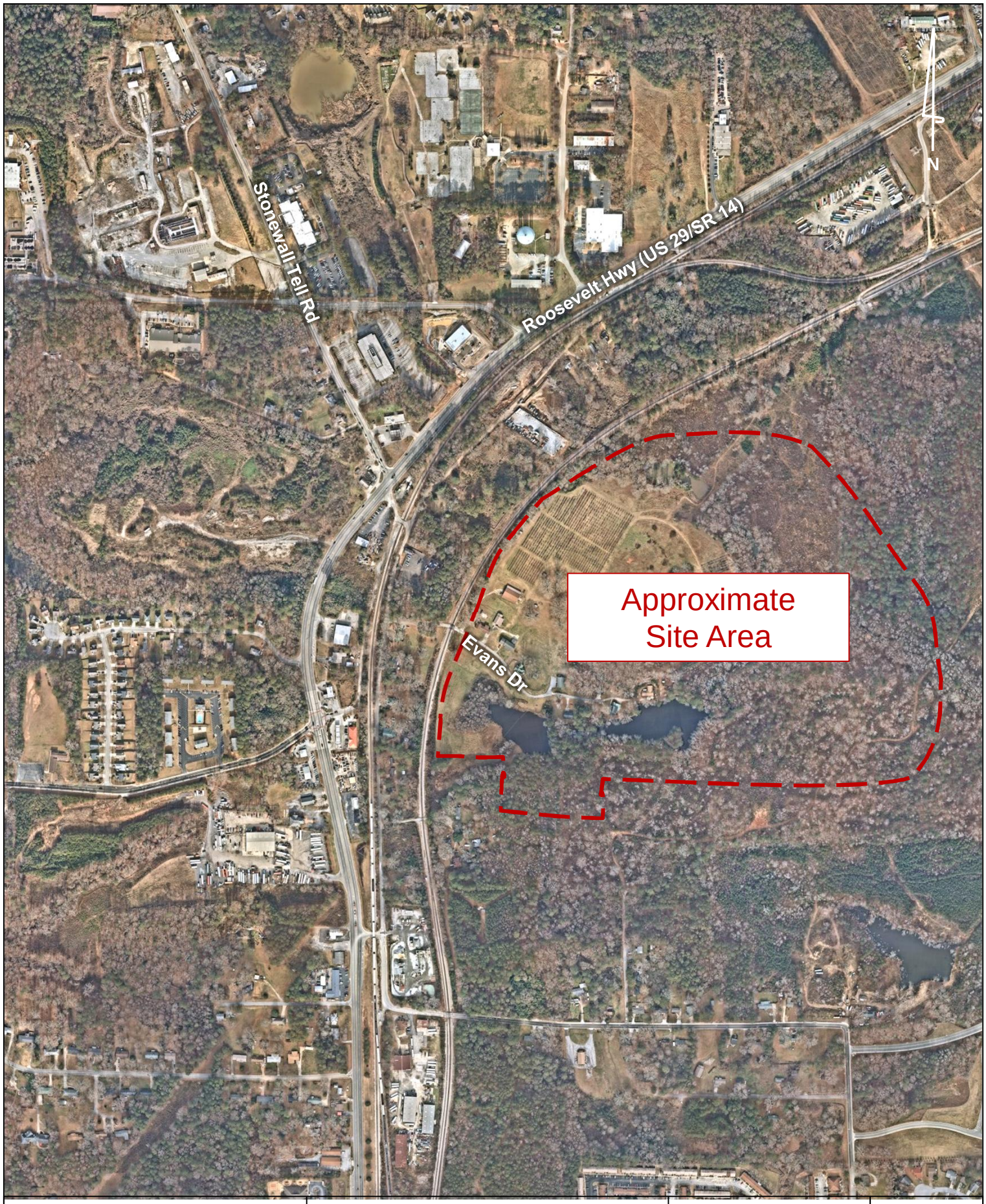
Table 2: Proposed Land Uses

Land Use	Density
Warehousing	2,479,626 SF (new construction)



Kimley»Horn	*Union City Commerce Center* *DRI #3266* *Transportation Analysis*	**Site Location**	**Figure 1**
			Page 6

Kimley»Horn	*Union City Commerce Center* *DRI #3266* *Transportation Analysis*	**Site Aerial (Zoomed Out)**	**Figure 2**
			Page 7



Kimley»Horn	*Union City Commerce Center* *DRI #3266* *Transportation Analysis*	**Site Aerial** **(Zoomed In)**	**Figure** **3**
			Page 8

1.2 Site Access

As currently envisioned, the proposed *Union City Commerce Center* development will be accessible via one (1) full-access driveway:

1. Proposed Driveway/Roadway – a signalized, full-movement driveway located along Roosevelt Highway (SR 14/US 29). The driveway/roadway is proposed to utilize East Houston Drive at the intersection of Roosevelt Highway (SR 14/US 29). The driveway/roadway will bridge over the two sets of railroad tracks before continuing onto the site. Evans Drive will be replaced by the Proposed Driveway.

Capacity analyses were performed for the proposed site driveway using *Synchro 10.0*. The results of the capacity analyses for this intersection (LOS, delay, and recommended laneage) are reported in *Section 5.3* of this report.

1.3 Internal Circulation Analysis

Internal roadways throughout the site provide vehicular access to all buildings and parking on the site. The proposed site driveway will provide access to buildings on the site. See referenced site plan in **Appendix B** for a visual representation of vehicular access and circulation throughout the proposed development.

Parking will be provided throughout the development as follows (the final proposed parking details are currently being developed):

Industrial Warehouse Parking Provided:	792 parking spaces
Trailer Parking Provided:	643 stalls

1.4 Bicycle and Pedestrian Facilities

Pedestrian facilities (sidewalks) and bicycle facilities do not currently exist along the project site frontage. Union City is planning to install a sidewalk along the northern side of Roosevelt Highway (SR 14/US 29) between Cottage Grove Place and Stonewall Tell Road, as outlined in Section 8.0. Pedestrian facilities are proposed to be constructed along the Proposed Driveway.

1.5 Transit Facilities

MARTA Bus Route 180 runs along Roosevelt Highway. There is a bus stop location for Route 180 along Stonewall Tell Road on the east side of the roadway, approximately 275 feet north of Roosevelt Highway. Route 180 provides service to the MARTA College Park Station, approximately 7 miles northwest of the proposed site. Union City and MARTA would like to consider adding a bus stop along the southern side of Roosevelt Highway in the future. No alternative mode reductions were taken.

2.0 TRAFFIC ANALYSES, METHODOLOGY AND ASSUMPTIONS

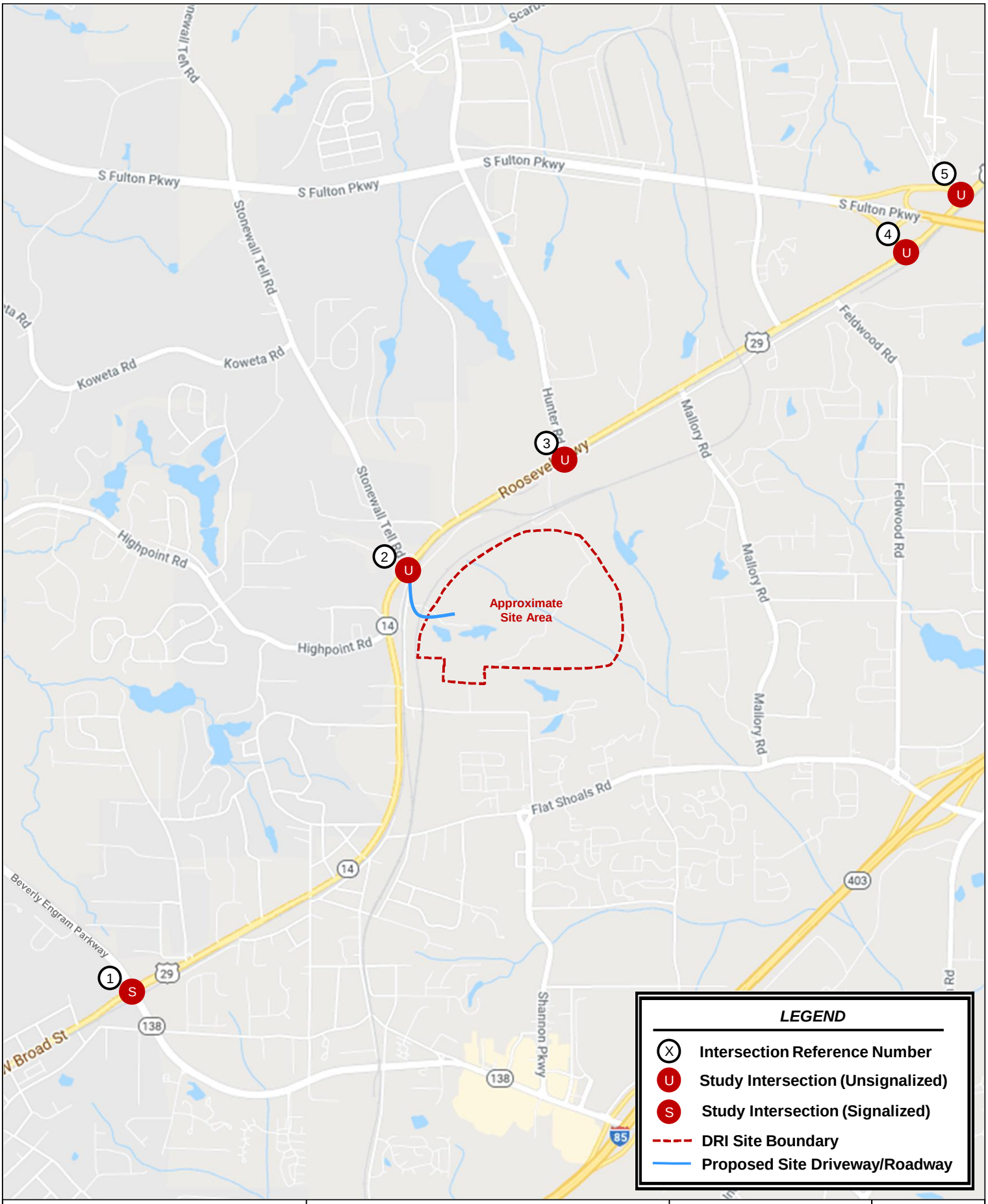
2.1 Study Network Determination

A general study area was determined based on a review of land uses and population densities in the area as well as a review of peak hour traffic counts and engineering judgement. The study area was agreed upon during methodology discussions with GRTA, ARC, Union City staff, and South Fulton staff

and includes the following five (5) intersections described in **Table 3**. The study intersections are shown in Figure 4**.**

Table 3: Intersection Control Summary		
Intersection	**Control**	**Jurisdiction**
1. Roosevelt Highway at Beverly Engram Parkway (SR 138)	Signalized	GDOT/Union City
2. Roosevelt Highway at Stonewall Tell Road/Proposed Driveway	Side Street Stop Control	GDOT/Union City
3. Roosevelt Highway at Hunter Road	Side Street Stop Control	GDOT/Union City/South Fulton
4. Roosevelt Highway at South Fulton Parkway Eastbound Ramps	Side Street Stop Control	GDOT/College Park
5. Roosevelt Highway at South Fulton Parkway Westbound Ramps	Side Street Stop Control	GDOT/College Park

Each of the intersections listed in **Table 3** were analyzed for the Estimated 2021 conditions, the Projected 2024 No-Build conditions, and the Projected 2024 Build conditions.



Kimley»Horn

Union City Commerce Center
DRI #3266
Transportation Analysis

Study Intersections

Figure 4

2.2 Existing Roadway Facilities

Roadway classification descriptions and estimated Average Annual Daily Traffic (AADT) for the study area are provided in **Table 4** (bolded roadways run adjacent to the site).

Table 4: Roadway Classifications

Roadway	No. of Lanes	Posted Speed Limit (MPH)	Approximate Average Annual Daily Traffic (AADT)	Functional Classification
Roosevelt Highway (SR 14/US 29)	**5**	**55**	**23,774**	**Principal Arterial**
Stonewall Tell Road	2	35	6,720	Minor Arterial
South Fulton Parkway	4	55	39,341	Principal Arterial
Hunter Road	2	35	-	Local
Beverly Engram Parkway (SR 138)	5	55	26,000	Principal Arterial

2.3 Traffic Data Collection

Weekday peak hour turning movement counts were collected on Thursday, March 25, 2021 at the study intersections during the AM and PM peak periods. Peak hours for all intersections are shown in **Table 5**.

Table 5: Peak Hour Summary

Intersection	Date Collected	AM Peak Hour	PM Peak Hour
1. Roosevelt Highway at Beverly Engram Parkway (SR 138)	March 25, 2021	7:30 – 8:30	4:45 – 5:45
2. Roosevelt Highway at Stonewall Tell Road/Proposed Driveway	March 25, 2021	7:30 – 8:30	4:30 – 5:30
3. Roosevelt Highway at Hunter Road	March 25, 2021	7:30 – 8:30	4:30 – 5:30
4. Roosevelt Highway at South Fulton Parkway Eastbound Ramps	March 25, 2021	7:00 – 8:00	4:00 – 5:00
5. Roosevelt Highway at South Fulton Parkway Westbound Ramps	March 25, 2021	7:30 – 8:30	4:30 – 5:30

The collected peak hour turning movement traffic counts are available upon request.

Due to COVID-19's impact on traffic, historical data was used to develop the Estimated 2021 traffic conditions, per the memo to GRTA dated 4/8/2021. Average Daily Traffic (ADT) volumes collected in March 2021 and Annual Average Daily Traffic (AADT) volumes from GDOT's Traffic Analysis & Data Application (TADA) in May 2019 were used to compare typical traffic volumes in the vicinity of the project site. The volume comparison shown in **Table 6** and **Figure 5**. Adjustment factors of 1.8 and 1.1 were used for the existing AM and PM turning movement counts, respectively. The adjustment factors take into account the potential impacts of COVID-19 to typical traffic patterns.

Table 6: Traffic Count Comparison and Adjustment Calculations								
Count Station	Location	GDOT				Collected		
		ADT Date	2019 ADT	AM Peak	PM Peak	2021 ADT	AM Peak	PM Peak
121-0188	Roosevelt Hwy s/o Fairburn Ave	May 8, 2019	23,774	1,632	2,108	19,357	907	1919
Difference Calculations								
ADT			AM Peak			PM Peak		
Vol	%	Factor	Vol	%	Factor	Vol	%	Factor
-4,417	-19%	1.23	-723	-44%	1.8	-189	-9%	1.1

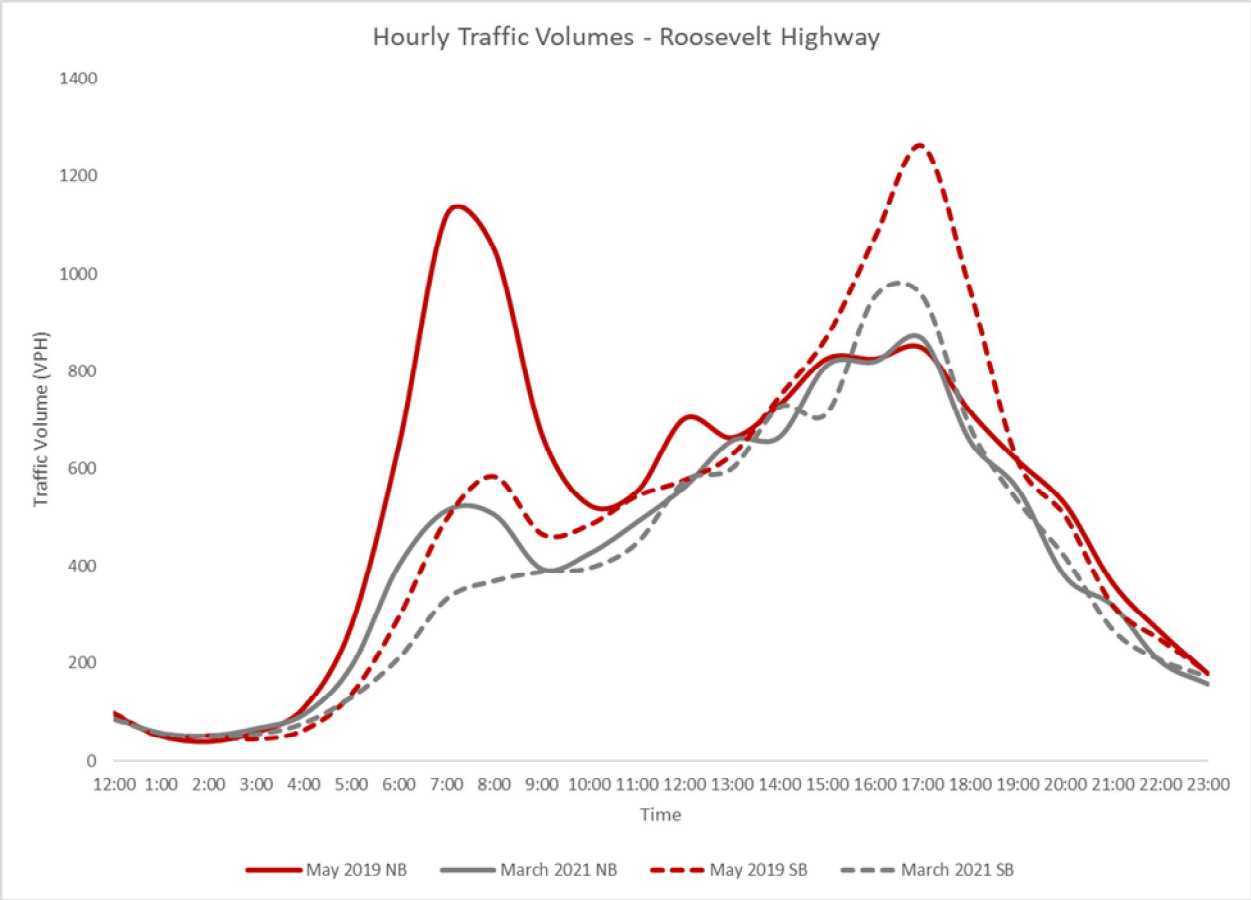


Figure 5: Roosevelt Highway ADT Comparison

2.4 Growth Rate

Background traffic is defined as expected traffic on the roadway network in future year(s) absent the construction and opening of the proposed project. Background traffic can include a base growth rate based on historical count data, population growth data and estimates, and trips anticipated from nearby or adjacent projects. Based on methodology outlined in the GRTA Letter of Understanding (LOU), a 4.5 percent per year background traffic growth rate was used for all roadways.

In addition to the background growth, the project trips associated with the following development were incorporated into the background traffic:

- DRI #2745 – *South Fulton Parkway at Stonewall Tell* – 2,095,000 SF of Warehouse – Approved January 2018

The Projected 2024 No-Build conditions represent the Estimated 2021 traffic volumes grown for three (3) years at 4.5 percent per year throughout the study network, plus the project trips generated by *South Fulton Parkway at Stonewall Tell DRI #2745*.

Projected 2024 Build volumes were then developed by adding the projected *Union City Commerce Center DRI* project trips to the projected 2024 No-Build volumes per the distributions and assignments discussed in *Section 5.0* of this report.

2.5 Detailed Intersection Analysis

Level-of-service (LOS) is used to describe the operating characteristics of a road segment or intersection in relation to its capacity. LOS is defined as a qualitative measure that describes operational conditions and motorists' perceptions within a traffic stream. The *Highway Capacity Manual* defines six levels-of-service, LOS A through LOS F, with A being the best and F being the worst. Level-of-service analyses were conducted at all intersections within the study network using *Synchro Professional, Version 10.0*. Existing traffic signal phasing and timing data were retrieved for available intersections.

LOS for signalized intersections are reported for the intersection as a whole. One or more movements at an intersection may experience a low level-of-service, while the intersection as a whole may operate acceptably.

LOS for unsignalized intersections with stop control on the minor street only are reported for the side street approaches and the major street left-turn movements. Low levels-of-service for side street approaches are not uncommon, as vehicles may experience significant delays in turning onto a major roadway.

2.6 Level-Of-Service Standards

For the purposes of this traffic analysis, a LOS standard of D was assumed for all other intersections and segments within the study network. If, however, an intersection or segment currently operates at LOS E or LOS F during an existing peak period, the LOS standard for the intersection during that peak period becomes LOS E, consistent with the GRTA Letter of Understanding.

3.0 TRIP GENERATION

As stated previously, gross trips associated with the proposed development were estimated using the *Institute of Transportation Engineers' (ITE) Trip Generation Manual, 10th Edition*, *2017*, using equations where available.

Trip generation for this proposed development is calculated based upon the Warehousing (ITE 150) land use. The total (net) trips generated and analyzed in this report are listed in **Table 7**.

Table 7: Net New Trip Generation

Land Use	Density	Daily Traffic			AM Peak Hour		PM Peak Hour	
		Total	Enter	Exit	Enter	Exit	Enter	Exit
Warehousing (ITE 150)	2,479,626 SF	3,964	1,982	1,982	249	74	88	237
Gross Project Trips		**3,964**	**1,982**	**1,982**	**249**	**74**	**88**	**237**
Total Gross Heavy Vehicle Trips		1,346	673	673	26	24	38	36
Total Gross Employee Trips		*2,618*	1,309	1,309	223	50	50	201
Mixed-Use Reduction		-0	-0	-0	-0	-0	-0	-0
Alternative Mode Reduction		-0	-0	-0	-0	-0	-0	-0
Pass-by Reduction		-0	-0	-0	-0	-0	-0	-0
Net New Trips		**3,964**	**1,982**	**1,982**	**249**	**74**	**88**	**237**
Total Net New Heavy Vehicle Trips		1,346	673	673	26	24	38	36
Total Net New Employee Trips		*2,618*	1,309	1,309	223	50	50	201

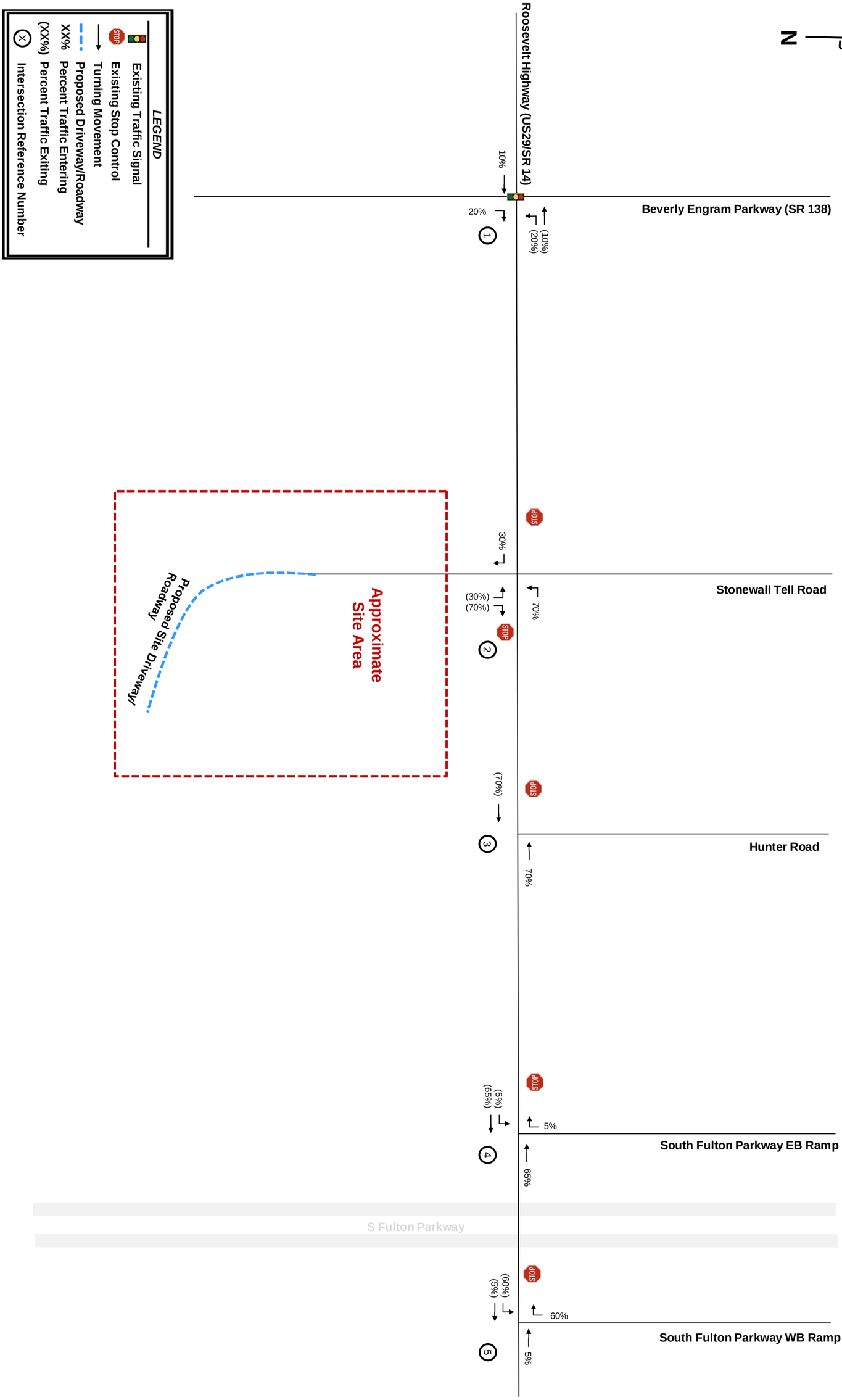
A more detailed trip generation analysis summary table is provided in **Appendix C**.

4.0 TRIP DISTRIBUTION AND ASSIGNMENT

The directional distribution and assignment of new project trips was based on the project land uses, a review of land use densities and road facilities in the area, engineering judgement, and methodology discussions with GRTA, ARC, GDOT, City of Union City staff, and City of South Fulton staff.

Figure 6 and **Figure 7** display the anticipated distribution and assignment of heavy vehicle (truck) and employee (car) trips throughout the study roadway network. These trip assignment percentages were applied to the net new trips expected to be generated by the development, and the volumes were assigned to the roadway network. The combined peak hour project trips by turning movement throughout the study network, anticipated to be generated by the proposed *Union City Commerce Center* development, are shown on **Figure 8**.

The Projected 2024 Build conditions add the project trips associated with the *Union City Commerce Center* development to the Projected 2024 No-Build conditions. Detailed intersection volume worksheets are provided in **Appendix D**.



Kimley»Horn

Union City Commerce Center
DRI #3266
Transportation Analysis

Warehouse (Trucks) Trip Distribution & Assignment

Figure 6

LEGEND

- Existing Traffic Signal
- Existing Stop Control
- Turning Movement
- Proposed Driveway/Roadway
- XX% Percent Traffic Entering
- (XX%) Percent Traffic Exiting
- (X) Intersection Reference Number

Warehouse (Cars) Trip Distribution & Assignment

Union City Commerce Center
DRI #3266
Transportation Analysis

Kimley»Horn

Figure 7

Project Trips

Union City Commerce Center
DRI #3266
Transportation Analysis

Kimley»Horn

Figure 8

5.0 TRAFFIC ANALYSIS

5.1 Estimated 2021 Conditions

The observed existing peak hour traffic volumes were entered into *Synchro 10.0,* and capacity analyses were performed for the AM and PM peak hours.

The Estimated 2021 peak hour traffic volumes are displayed in **Figure 9**, and the results of the capacity analyses for the Existing 2021 conditions are shown in **Table 8**. Detailed *Synchro* analysis reports are available upon request.

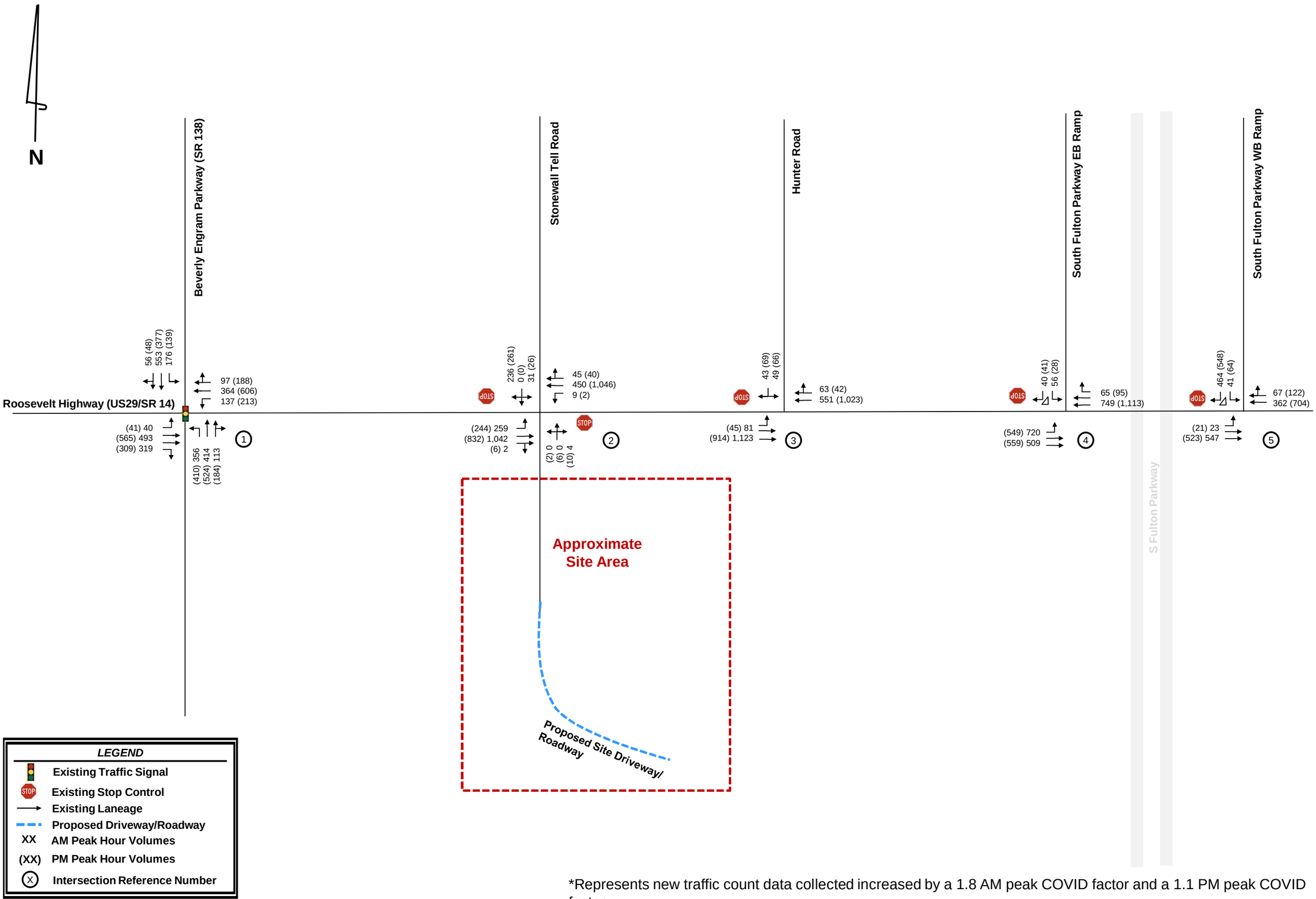
Table 8: Estimated 2021 Level-of-Service Summary
LOS (delay in seconds)

Intersection	Control	Approach/ Movement	LOS Std.	AM Peak Hour	PM Peak Hour
1. Roosevelt Highway at Beverly Engram Parkway (SR 138)	Signal	Overall	D	E (70.5)	D (54.6)
2. Roosevelt Highway at Stonewall Tell Road/Proposed Driveway	TWSC**	NB	-	B (12.8)	F (281.6)
		EBL	-	A (10.0)	C (16.3)
		SB	-	F (137.3)	F (*)
		WBL	-	B (11.0)	A (9.8)
3. Roosevelt Highway at Hunter Road	TWSC**	SB	-	C (21.4)	D (32.6)
		EBL	-	A (9.7)	B (11.8)
4. Roosevelt Highway at South Fulton Parkway Eastbound Ramps	TWSC**	SB	-	F (*)	F (*)
		EBL	-	E (35.5)	F (82.1)
5. Roosevelt Highway at South Fulton Parkway Westbound Ramps	TWSC**	SB	-	C (17.7)	E (35.3)
		EBL	-	A (8.8)	A (9.9)

** Delay exceeds 300 seconds.*
*** TWSC = Two-Way Stop-Control*

As shown in **Table 8**, one (1) study intersection, Roosevelt Highway at Beverly Engram Parkway (SR 138) (Intersection 1), operates below the overall LOS standard of LOS D during the AM peak hour. Based on the methodology outlines in the GRTA Letter of Understanding (LOU), the LOS standard for the AM peak hour at Intersection 1 becomes LOS E for the analyses of the No-Build and Build future scenario.

For side-street stop-controlled intersections, low levels-of-service for side street approaches are not uncommon, as vehicles may experience significant delays in turning onto a major roadway.



*Represents new traffic count data collected increased by a 1.8 AM peak COVID factor and a 1.1 PM peak COVID factor.

Estimated 2021 Conditions

Union City Commerce Center
DRI #3266
Transportation Analysis

Kimley»Horn

Figure 9

5.2 Projected 2024 No-Build Conditions

To account for growth in the vicinity of the proposed development, the existing traffic volumes were increased for three (3) years at 4.5 percent per year throughout the study network. In addition, projected trips associated with the *South Fulton Parkway at Stonewall Tell DRI #2745,* located on the southeast corner of Stonewall Tell Road at South Fulton Parkway, were added to the network. These No-Build volumes were entered into *Synchro 10.0*, and capacity analyses were performed. The Projected 2024 No-Build conditions were analyzed using existing roadway geometry and existing intersection control types.

The intersection laneage and traffic volumes for the Projected 2024 No-Build conditions are shown in **Figure 10**. The results of the capacity analyses for the Projected 2024 No-Build are shown in **Table 9**. Detailed *Synchro* analysis reports are available upon request.

Table 9: Projected 2024 No-Build Level-of-Service Summary
LOS (delay in seconds)

Intersection	Control	Approach/ Movement	LOS Std.	AM Peak Hour	PM Peak Hour
1. Roosevelt Highway at Beverly Engram Parkway (SR 138)	Signal	Overall	E/D	F (93.0)	E (70.7)
2. Roosevelt Highway at Stonewall Tell Road/Proposed Driveway	TWSC**	NB	-	B (13.8)	F (*)
		EBL	-	B (11.0)	D (25.6)
		SB	-	F (*)	F (*)
		WBL	-	B (11.9)	B (10.4)
3. Roosevelt Highway at Hunter Road	TWSC**	SB	-	D (27.6)	F (56.6)
		EBL	-	B (10.2)	B (13.2)
4. Roosevelt Highway at South Fulton Parkway Eastbound Ramps	TWSC**	SB	-	F (*)	F (*)
		EBL	-	F (101.9)	F (222.9)
5. Roosevelt Highway at South Fulton Parkway Westbound Ramps	TWSC**	SB	-	C (21.0)	F (57.2)
		EBL	-	A (9.1)	B (10.5)

** Delay exceeds 300 seconds.*
*** TWSC = Two-Way Stop-Control*

As shown in **Table 9**, Roosevelt Highway at Beverly Engram Parkway (SR 138) (Intersection 1), operates below the overall LOS standards during the AM and PM peak hours. In addition, Roosevelt Highway at Stonewall Tell Road (Intersection 2) is projected to experience excessive delay for the northbound approach during the AM peak hour and excessive delay for the southbound approach during the AM and PM peak hours. Roosevelt Highway at South Fulton Parkway Eastbound Ramps (Intersection 4) is also projected to experience excessive delay for the southbound approach during both the AM and PM peak hours.

Based on the Projected 2024 No-Build Conditions scenario, the following are needed to achieve an acceptable LOS:

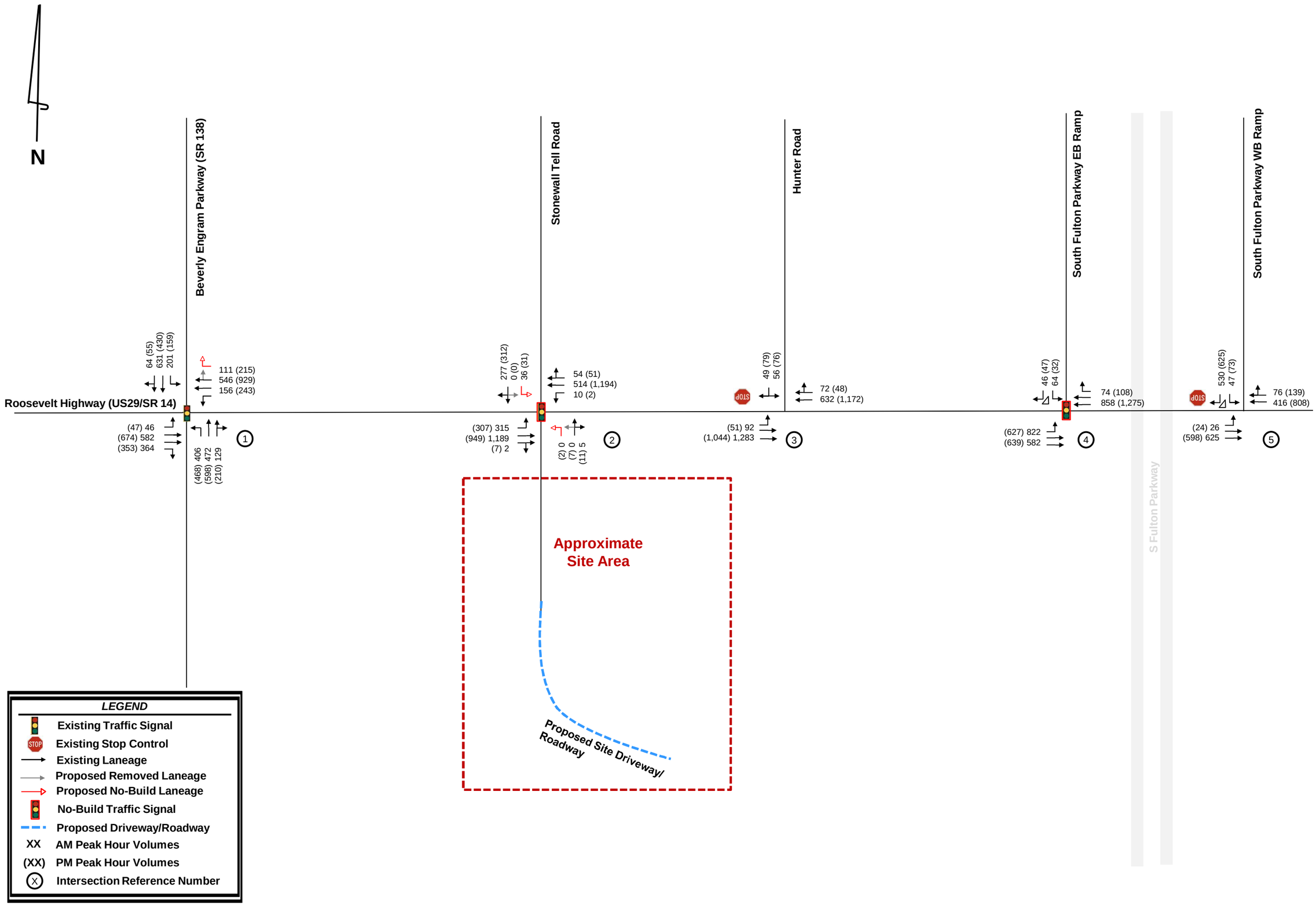
- Intersection 1: Roosevelt Highway (SR 14/US 29) at Beverly Engram Parkway (SR 138)
  - Construct one (1) right-turn lane along the westbound approach of Roosevelt Highway (SR 14/US 29). Approach will consist of one (1) left-turn lane, two (2) though lanes, and one (1) right-turn lane.
- Intersection 2: Roosevelt Highway (SR 14/US 29) at Stonewall Tell Road
  - Install a traffic signal if and when warranted and as approved by GDOT.
  - Construct a left-turn lane along the northbound approach of Stonewall Tell Road. Approach will consist of one (1) left-turn lane and one (1) shared through/right turn lane.
  - Construct a left-turn lane along the southbound approach of Stonewall Tell Road Approach will consist of one (1) left-turn lane and one (1) shared through/right turn lane.
- Intersection 4: Roosevelt Highway (SR 14/US 29) at South Fulton Parkway Eastbound Ramps
  - Install a traffic signal if and when warranted and as approved by GDOT.

The results of the capacity analysis for the Projected 2024 No-Build Improved Conditions are shown in Table 10.

Table 10: Projected 2024 No-Build Improved Level-of-Service Summary
LOS (delay in seconds)

Intersection	Control	Approach/ Movement	LOS Std.	AM Peak Hour	PM Peak Hour
1. Roosevelt Highway at Beverly Engram Parkway (SR 138)	Signal	Overall	E/D	D (48.5)	D (41.3)
2. Roosevelt Highway at Stonewall Tell Road/Proposed Driveway	Signal	Overall	E	B (11.2)	B (19.7)
4. Roosevelt Highway at South Fulton Parkway Eastbound Ramps	Signal	Overall	E	B (18.3)	B (19.3)

** Delay exceeds 300 seconds.*



Projected 2024
No-Build Conditions

Union City Commerce Center
DRI #3266
Transportation Analysis

Kimley»Horn

Figure 10

5.3 Projected 2024 Build Conditions

The traffic associated with the proposed *Union City Commerce Center* development was added to the Projected 2024 No-Build volumes. These volumes were then entered into *Synchro 10.0*, and capacity analyses were performed. The Projected 2024 Build conditions were analyzed using existing intersection control types and proposed site driveways as shown in the DRI site plan.

The intersection laneage and traffic volumes used for the Projected 2024 Build conditions are shown in **Figure 11**. The results of the capacity analyses for the Projected 2024 Build conditions are shown in **Table 11**. Detailed *Synchro* analysis reports are available upon request.

Table 11: Projected 2024 Build Level-of-Service Summary
LOS (delay in seconds)

Intersection	Control	Approach/ Movement	LOS Std.	AM Peak Hour	PM Peak Hour
1. Roosevelt Highway at Beverly Engram Parkway (SR 138)	Signal	Overall	D/E	F (93.0)	E (73.5)
2. Roosevelt Highway at Stonewall Tell Road/Proposed Driveway	TWSC**	NB	-	F (*)	F (*)
		EBL	-	B (11.0)	D (25.6)
		SB	-	F (*)	F (*)
		WBL	-	C (15.3)	B (11.0)
3. Roosevelt Highway at Hunter Road	TWSC**	SB	-	D (32.9)	F (67.4)
		EBL	-	B (11.0)	B (13.6)
4. Roosevelt Highway at South Fulton Parkway Eastbound Ramps	TWSC**	SB	-	F (*)	F (*)
		EBL	-	F (126.5)	F (*)
5. Roosevelt Highway at South Fulton Parkway Westbound Ramps	TWSC**	SB	-	C (23.0)	F (73.2)
		EBL	-	A (9.3)	B (10.8)

** Delay exceeds 300 seconds.*
*** TWSC = Two-Way Stop-Control*

Roosevelt Highway at Beverly Engram Parkway (SR 138) (Intersection 1), operates below the overall LOS standards during the AM and PM peak hours. In addition, Roosevelt Highway at Stonewall Tell Road (Intersection 2) is projected to experience excessive delay for the northbound approach during the AM peak hour and excessive delay for the southbound approach during the AM and PM peak hours. Roosevelt Highway at South Fulton Parkway Eastbound Ramps (Intersection 4) is also projected to experience excessive delay for the southbound approach during both the AM and PM peak hours.

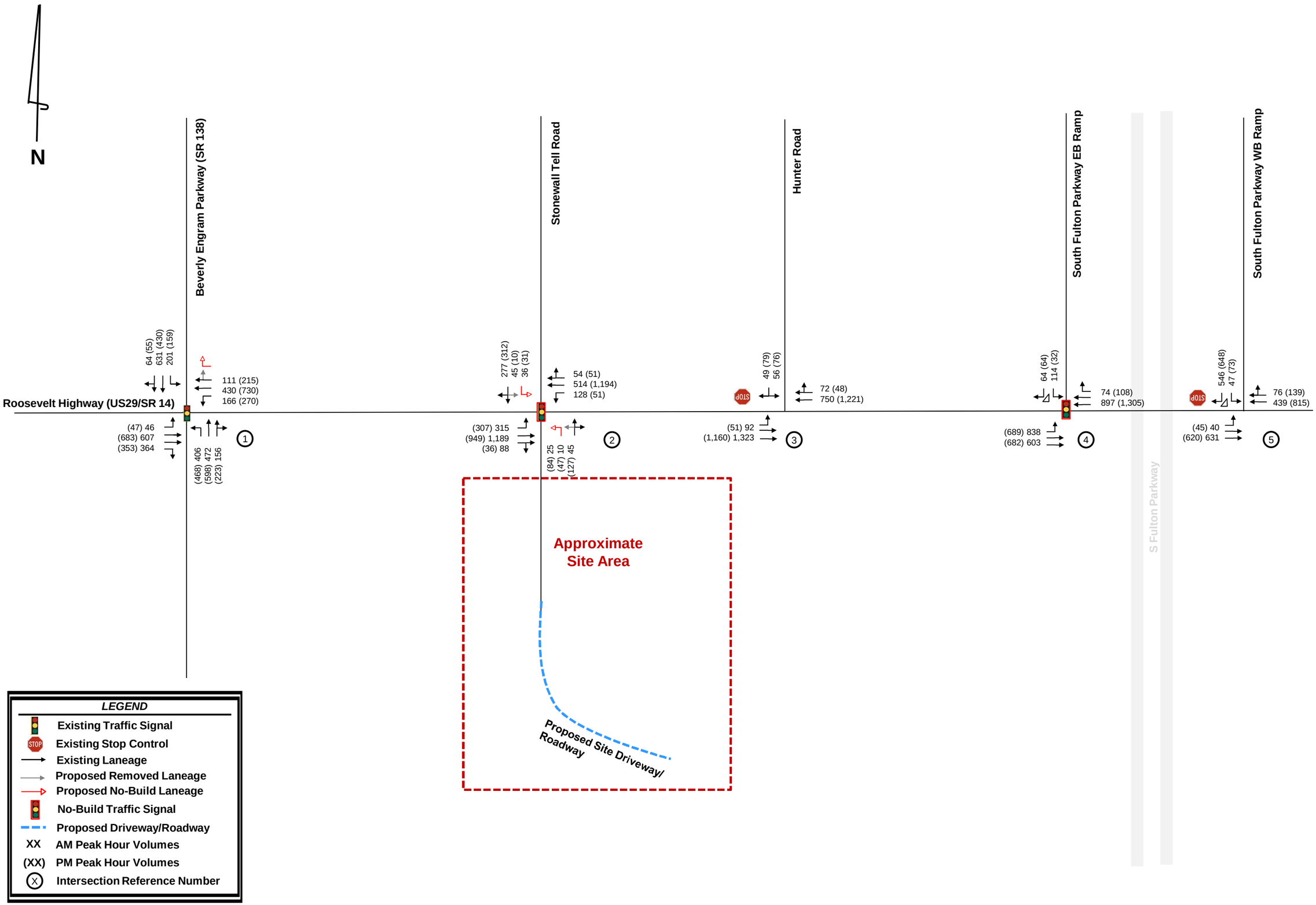
With the improvements noted in the Projected 2024 No-Build conditions, Intersections 1, 3, and 4 are projected to operate at an acceptable LOS during the AM and PM peak hours. The results of the capacity analysis for the Projected 2024 Build Improved conditions are shown in **Table 12:**

Table 12: Projected 2024 Build Improved Level-of-Service Summary *LOS (delay in seconds)*					
Intersection	**Control**	**Approach/ Movement**	**LOS Std.**	**AM Peak Hour**	**PM Peak Hour**
1. Roosevelt Highway at Beverly Engram Parkway (SR 138)	Signal	Overall	E/D	D (52.4)	D (45.1)
2. Roosevelt Highway at Stonewall Tell Road/Proposed Driveway	Signal	Overall	E	B (14.8)	C (25.8)
4. Roosevelt Highway at South Fulton Parkway Eastbound Ramps	Signal	Overall	E	C (21.1)	C (26.3)

As shown in **Table 12**, with the improvements recommended under No-Build conditions, Intersections 1, 3, and 4 are projected to operate at an acceptable LOS during the AM and PM peak hours.

Additional improvements are proposed to improve access to the site:

- Pave East Houston Drive from Stonewall Tell Road to the site.
- Bridge over the two sets of railroad tracks before continuing onto the site.



Projected 2024 Build Conditions

Union City Commerce Center
DRI #3266
Transportation Analysis

Kimley»Horn

Figure 11

6.0 IDENTIFICATION OF PROGRAMMED PROJECTS

According to ARC's Transportation Improvement Program (TIP), three (3) projects are programmed or planned to be completed. The completion dates of these projects are either after the project build-out date or are still to be determined. The identified projects are listed in **Table 13** below.

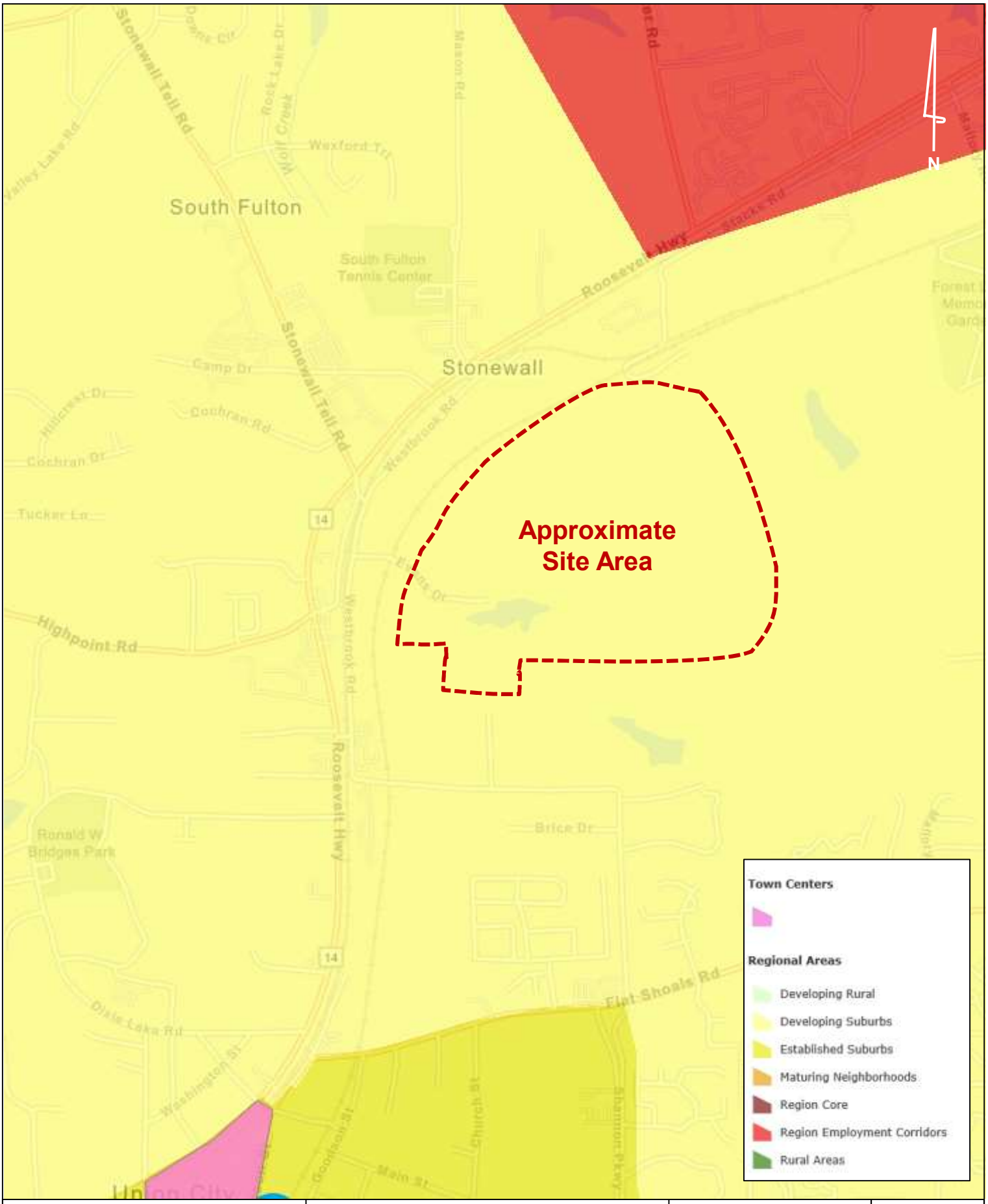
Table 13: Programmed Improvements

#	Year	Project ID	Project Description
1	TBD	FS-283	This project is a bridge upgrade project along SR 14/US 29 located 1.4 miles from the project site at the CSX line, 2.6 miles northeast of Union City. No capacity will be added.
2	TBD	AR-491A	This project will provide high capacity transit service along the South Fulton Parkway corridor between MARTA's College Park heavy rail station and SR 92.
3	TBD	TBA	Roosevelt Highway Streetscape Improvements: Union City will install a sidewalk along the northern side of Roosevelt Highway (SR 14/US 29) between Cottage Grove Place and Stonewall Tell Road.

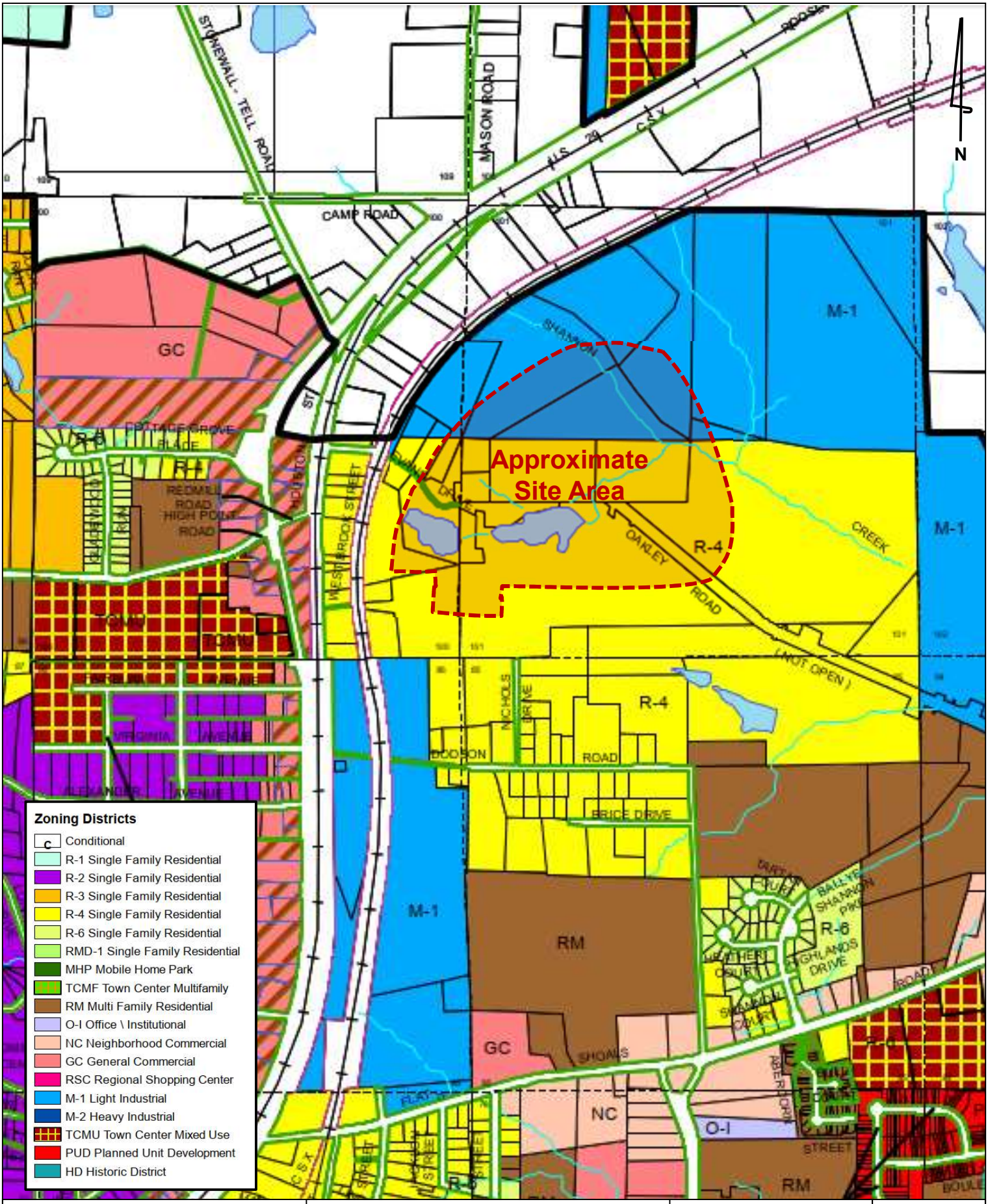
Fact sheets for projects can be found in **Appendix E**. GDOT and Union City have received previous requests to improve unsignalized intersections along Roosevelt Highway, including at Stonewall Tell Road and South Fulton Parkway Ramps. There are currently no programmed projects at these locations.

APPENDIX A

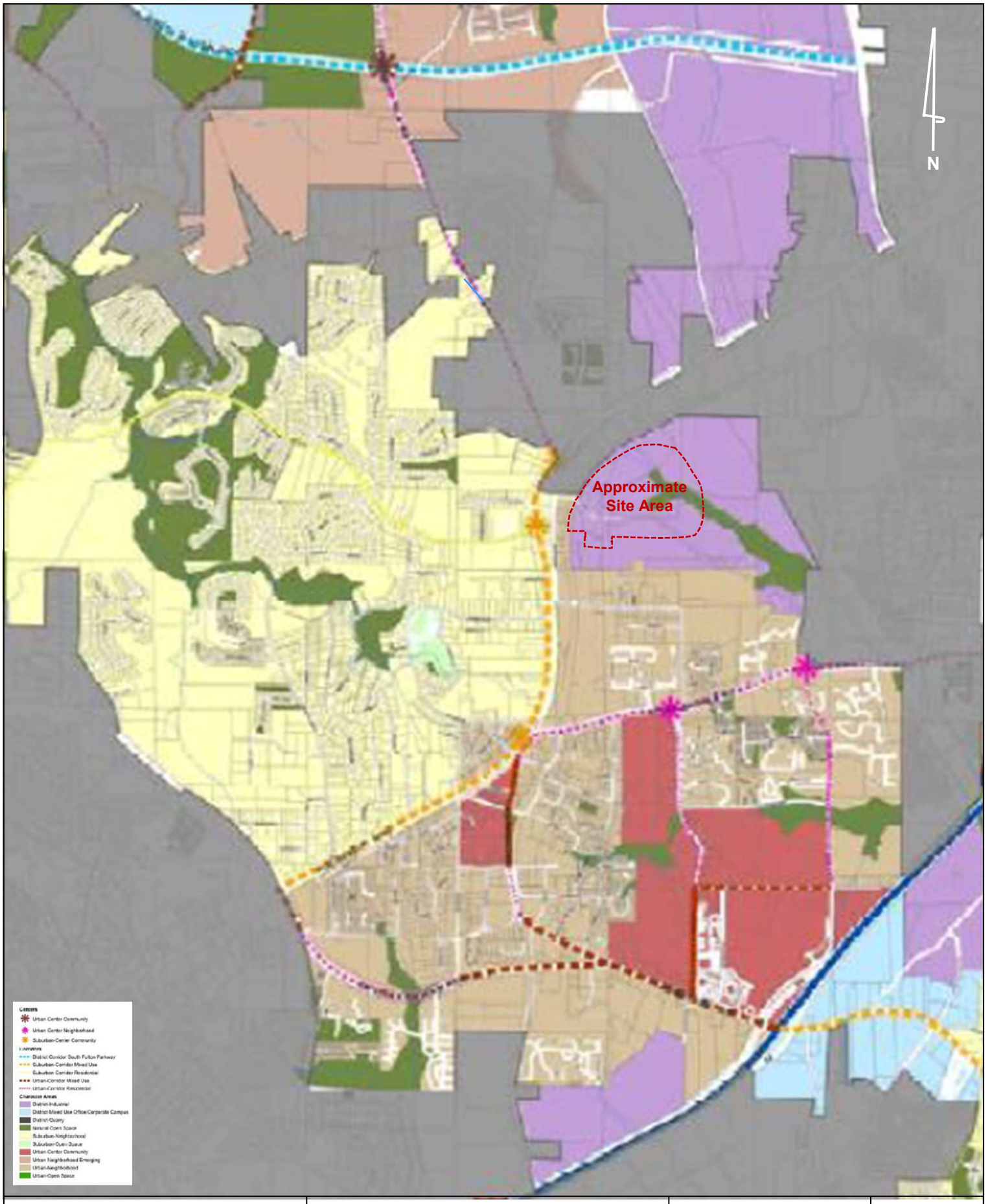
Land Use and Zoning Maps



Kimley»Horn	*Union City Commerce Center* *DRI #3266* *Transportation Analysis*	**ARC Unified Growth Policy Map**	**Appendix A**



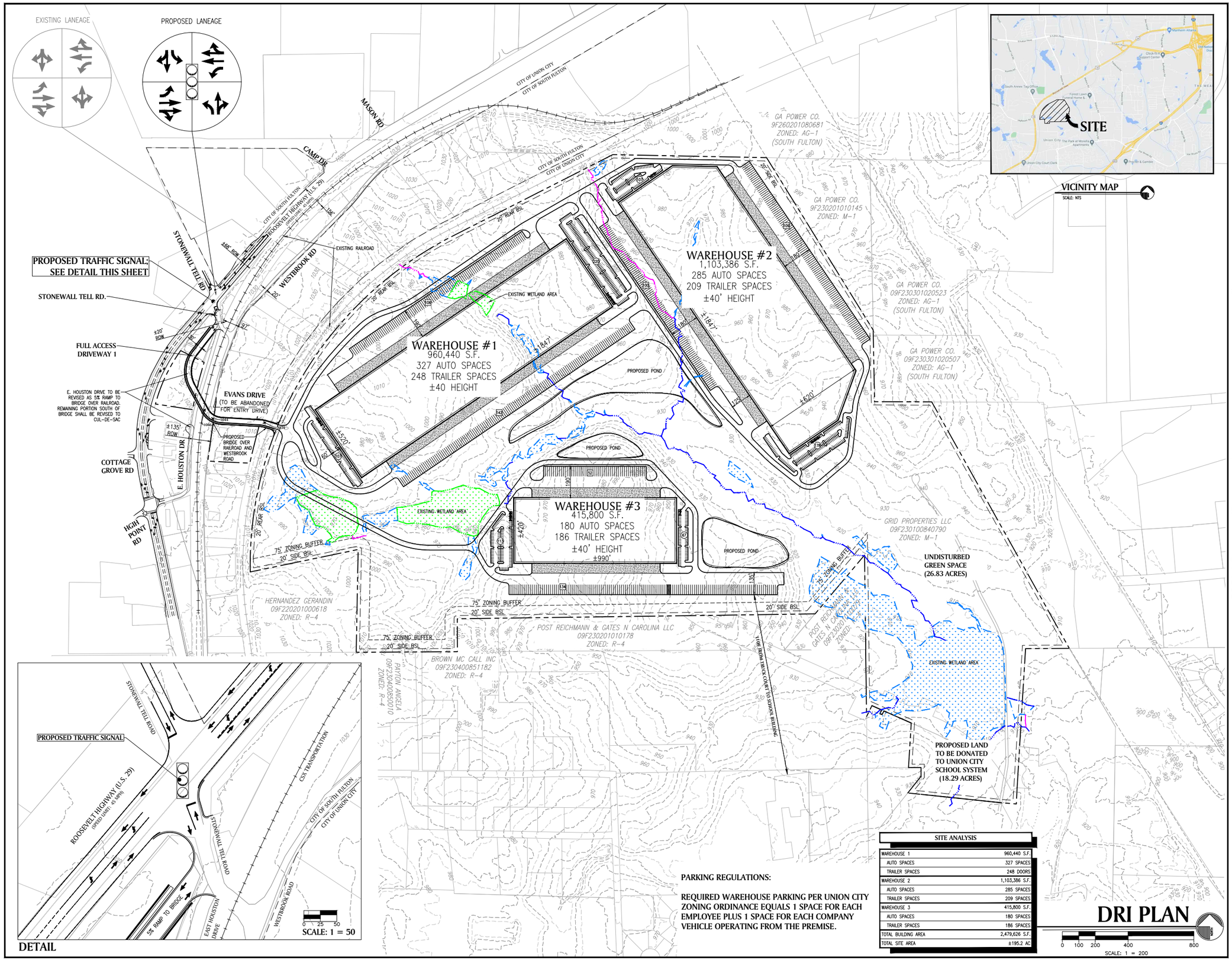
Kimley»Horn	*Union City Commerce Center* *DRI #3266* *Transportation Analysis*	**Current Zoning Map of Union City, GA**	**Appendix A**



Kimley»Horn	*Union City Commerce Center* *DRI #3266* *Transportation Analysis*	**Future Development Map of Union City, GA**	**Appendix A**

APPENDIX B

Proposed Site Plan



PARKING REGULATIONS:

REQUIRED WAREHOUSE PARKING PER UNION CITY ZONING ORDINANCE EQUALS 1 SPACE FOR EACH EMPLOYEE PLUS 1 SPACE FOR EACH COMPANY VEHICLE OPERATING FROM THE PREMISE.

SITE ANALYSIS

WAREHOUSE 1	960,440 S.F.
AUTO SPACES	327 SPACES
TRAILER SPACES	248 DOORS
WAREHOUSE 2	1,103,386 S.F.
AUTO SPACES	285 SPACES
TRAILER SPACES	209 SPACES
WAREHOUSE 3	415,800 S.F.
AUTO SPACES	180 SPACES
TRAILER SPACES	186 SPACES
TOTAL BUILDING AREA	2,479,626 S.F.
TOTAL SITE AREA	±195.2 AC

LAND PLANNERS
ENGINEERS • SURVEYORS
TRANSPORTATION
LANDSCAPE ARCHITECTS
85-A MILL STREET
SUITE 200
ROSWELL, GEORGIA 30075
VOICE 770.650.7685
FAX 770.650.7684
WWW.PAULSONMITCHELL.COM

PAULSON MITCHELL INCORPORATED

PROJECT:

UNION CITY COMMERCE CENTER (DRI #3266)

FLAT SHOALS PARKWAY
UNION CITY
FULTON COUNTY, GA

FOR:

STRATEGIC REAL ESTATE PARTNERS, LLC
3715 NORTHSIDE PARKWAY
BUILDING 400, SUITE 425
ATLANTA, GA 30327

TRAFFIC CONSULTANT:
KIMLEY-HORN AND ASSOCIATES, INC.
11720 AMBER PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
(470) 273-3181
JOHN WALKER, P.E., PTOE

SITE PLANNER CONTACT
PAULSON MITCHELL, INC.
85-A MILL STREET, SUITE 200
ROSWELL, GEORGIA 30075
(770) 650-7685
JOHN WISE

CLIENT CONTACT
STRATEGIC REAL ESTATE PARTNERS, LLC
3715 NORTHSIDE PARKWAY
BUILDING 400, SUITE 425
(706) 573-1549
KEVIN CASTEEL

PRELIMINARY SITE PLAN DISCLAIMER:

SITE PLAN IS BASED ON CLIENT PROVIDED INFORMATION POSSIBLY INCLUDING BUT NOT LIMITED TO THE FOLLOWING: TAX MAPS, USGS MAPS, GIS INFORMATION, SCANNED/DIGITAL BOUNDARY SURVEY, SCANNED/DIGITAL TOPOGRAPHICAL SURVEY, SCANNED/DIGITAL AS-BUILT PLAN, SCANNED/DIGITAL ALTA SURVEY, AND/OR PREVIOUS CONSTRUCTION PLANS BY PM/OTHERS. ALL ZONING INFORMATION SHOWN IN THE TITLEBLOCK TO THE RIGHT HAS BEEN RESEARCHED BUT NOT VERIFIED WITH THE JURISDICTION.

SITE PLAN BOUNDARY AND EXISTING CONDITIONS ARE ONLY AS ACCURATE AS THE INFORMATION PROVIDED.

2020173DRI 2.dwg 04.26.21

DRI PLAN

SHEET DRI

APPENDIX C

Trip Generation Analysis

Trip Generation Analysis (10th Ed. with *2nd Edition Handbook* Daily IC & *3rd Edition* AM/PM IC)
Union City Commerce Center DRI 3266
Fulton County/Union City, GA

Land Use	Intensity	Daily Trips	AM Peak Hour Total	AM Peak Hour In	AM Peak Hour Out	PM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out
Proposed Site Traffic								
150 Warehousing	2,479,626 s.f.	3,964	323	249	74	325	88	237
Gross Trips		**3,964**	**323**	**249**	**74**	**325**	**88**	**237**
Warehouse Trips		3,964	323	249	74	325	88	237
Truck Trips		1,346	50	26	24	74	38	36
Employee Trips		2,618	273	223	50	251	50	201
Alternative Mode Reductions		*0*	*0*	*0*	*0*	*0*	*0*	*0*
Adjusted Employee Trips		2,618	273	223	50	251	50	201
Adjusted Warehouse Trips		3,964	323	249	74	325	88	237
Other Non-Residential Trips		0	0	0	0	0	0	0
Mixed-Use Reductions		*0*	*0*	*0*	*0*	*0*	*0*	*0*
Alternative Mode Reductions		*0*	*0*	*0*	*0*	*0*	*0*	*0*
Adjusted Other Non-Residential Trips		0	0	0	0	0	0	0
Mixed-Use Reductions - TOTAL		*0*	*0*	*0*	*0*	*0*	*0*	*0*
Alternative Mode Reductions - TOTAL		*0*	*0*	*0*	*0*	*0*	*0*	*0*
Pass-By Reductions - TOTAL		*0*	*0*	*0*	*0*	*0*	*0*	*0*
New Trips		**3,964**	**323**	**249**	**74**	**325**	**88**	**237**
Driveway Volumes		**3,964**	**323**	**249**	**74**	**325**	**88**	**237**

APPENDIX D

Intersection Volume Worksheets

INTERSECTION VOLUME DEVELOPMENT

Intersection #1

Roosevelt Highway at Beverly Engram Parkway

AM PEAK HOUR

	Beverly Engram Parkway				Beverly Engram Parkway				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	198	230	63	0	98	307	31	0	22	274	177	0	76	202	54
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	27	32	7	0	3	30	10	0	6	16	34	0	14	29	6
Heavy Vehicle %	0%	14%	14%	11%	0%	3%	10%	32%	0%	27%	6%	19%	0%	18%	14%	11%
Peak Hour Factor	0.91				0.91				0.91				0.91			
Adjustment	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Adjusted 2021 Volumes	0	356	414	113	0	176	553	56	0	40	493	319	0	137	364	97
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											19				8	
2024 Background Traffic	0	406	472	129	0	201	631	64	0	46	582	364	0	156	423	111
Project Trips																
Trip Distribution IN				20%							10%					
Trip Distribution OUT														20%	10%	
Warehouse (Truck) Trips	0	0	0	5	0	0	0	0	0	0	3	0	0	5	2	0
Trip Distribution IN				10%							10%					
Trip Distribution OUT														10%	10%	
Warehouse (Employee) Trips	0	0	0	22	0	0	0	0	0	0	22	0	0	5	5	0
Total Project Trips	0	0	0	27	0	0	0	0	0	0	25	0	0	10	7	0
2024 Buildout Total	0	406	472	156	0	201	631	64	0	46	607	364	0	166	430	111
2024 Buildout Heavy Vehicle %	2%	8%	8%	8%	2%	2%	5%	18%	2%	15%	4%	11%	2%	13%	8%	6%

PM PEAK HOUR

	Beverly Engram Parkway				Beverly Engram Parkway				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	373	476	167	0	126	343	44	0	37	514	281	0	194	551	171
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	18	27	5	0	3	24	8	0	4	19	20	0	27	17	1
Heavy Vehicle %	0%	5%	6%	3%	0%	2%	7%	18%	0%	11%	4%	7%	0%	14%	3%	2%
Peak Hour Factor	0.97				0.97				0.97				0.97			
Adjustment	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Adjusted 2021 Volumes	0	410	524	184	0	139	377	48	0	41	565	309	0	213	606	188
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											29				14	
2024 Background Traffic	0	468	598	210	0	159	430	55	0	47	674	353	0	243	706	215
Project Trips																
Trip Distribution IN				20%							10%					
Trip Distribution OUT														20%	10%	
Warehouse (Truck) Trips	0	0	0	8	0	0	0	0	0	0	4	0	0	7	4	0
Trip Distribution IN				10%							10%					
Trip Distribution OUT														10%	10%	
Warehouse (Employee) Trips	0	0	0	5	0	0	0	0	0	0	5	0	0	20	20	0
Total Project Trips	0	0	0	13	0	0	0	0	0	0	9	0	0	27	24	0
2024 Buildout Total	0	468	598	223	0	159	430	55	0	47	683	353	0	270	730	215
2024 Buildout Heavy Vehicle %	2%	4%	5%	6%	2%	2%	6%	17%	2%	10%	4%	6%	2%	14%	3%	2%

4/21/2021 8:35

INTERSECTION VOLUME DEVELOPMENT

Intersection #2

Roosevelt Highway at Stonewall Tell Road

AM PEAK HOUR

	Stonewall Tell Road				Stonewall Tell Road				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	0	0	2	0	17	0	131	0	144	579	1	0	5	250	25
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	0	2	0	12	0	7	26	0	0	0	37	1
Heavy Vehicle %	0%	0%	0%	2%	0%	12%	0%	9%	0%	5%	4%	2%	0%	2%	15%	4%
Peak Hour Factor	0.92				0.92				0.92				0.92			
Adjustment	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Adjusted 2021 Volumes	0	0	0	4	0	31	0	236	0	259	1042	2	0	9	450	45
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745						1		8		19						3
2024 Background Traffic	0	0	0	5	0	36	0	277	0	315	1,189	2	0	10	514	54
Project Trips																
Trip Distribution IN												30%		70%		
Trip Distribution OUT		30%		70%												
Warehouse (Truck) Trips	0	7	0	17	0	0	0	0	0	0	0	8	0	18	0	0
Trip Distribution IN							20%					35%		45%		
Trip Distribution OUT		35%	20%	45%												
Warehouse (Employee) Trips	0	18	10	23	0	0	45	0	0	0	0	78	0	100	0	0
Total Project Trips	0	25	10	40	0	0	45	0	0	0	0	86	0	118	0	0
2024 Buildout Total	0	25	10	45	0	36	45	277	0	315	1,189	88	0	128	514	54
2024 Buildout Heavy Vehicle %	2%	28%	2%	38%	2%	6%	2%	5%	2%	3%	2%	9%	2%	14%	8%	2%

PM PEAK HOUR

	Stonewall Tell Road				Stonewall Tell Road				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	1	1	5	9	0	24	0	237	0	222	756	5	1	1	951	36
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	0	0	0	9	0	10	28	1	0	0	41	1
Heavy Vehicle %	2%	2%	2%	2%	0%	2%	0%	4%	0%	5%	4%	20%	2%	2%	4%	3%
Peak Hour Factor	0.93				0.93				0.93				0.93			
Adjustment	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Adjusted 2021 Volumes	1	1	6	10	0	26	0	261	0	244	832	6	1	1	1046	40
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745						1		14		29						5
2024 Background Traffic	1	1	7	11	0	31	0	312	0	307	949	7	1	1	1,194	51
Project Trips																
Trip Distribution IN												30%		70%		
Trip Distribution OUT		30%		70%												
Warehouse (Truck) Trips	0	11	0	25	0	0	0	0	0	0	0	12	0	27	0	0
Trip Distribution IN							20%					35%		45%		
Trip Distribution OUT		35%	20%	45%												
Warehouse (Employee) Trips	0	71	40	91	0	0	10	0	0	0	0	17	0	22	0	0
Total Project Trips	0	82	40	116	0	0	10	0	0	0	0	29	0	49	0	0
2024 Buildout Total	1	83	47	127	0	31	10	312	0	307	949	36	1	50	1,194	51
2024 Buildout Heavy Vehicle %	2%	13%	2%	20%	2%	2%	2%	3%	2%	4%	3%	37%	2%	54%	4%	2%

4/21/2021 8:35

INTERSECTION VOLUME DEVELOPMENT

Intersection #3

Roosevelt Highway at Hunter Road

AM PEAK HOUR

					Hunter Road				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	0	0	0	0	27	0	24	0	45	624	0	0	0	306	35
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	0	5	0	2	0	5	24	0	0	0	34	10
Heavy Vehicle %	0%	0%	0%	0%	0%	19%	0%	8%	0%	11%	4%	0%	0%	0%	11%	29%
Peak Hour Factor	0.92				0.92				0.92				0.92			
Adjustment	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Adjusted 2021 Volumes	0	0	0	0	0	49	0	43	0	81	1123	0	0	0	551	63
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											1				3	
2024 Background Traffic	0	0	0	0	0	56	0	49	0	92	1,283	0	0	0	632	72
Project Trips																
Trip Distribution IN															70%	
Trip Distribution OUT											70%					
Warehouse (Truck) Trips	0	0	0	0	0	0	0	0	0	0	17	0	0	0	18	0
Trip Distribution IN															45%	
Trip Distribution OUT											45%					
Warehouse (Employee) Trips	0	0	0	0	0	0	0	0	0	0	23	0	0	0	100	0
Total Project Trips	0	0	0	0	0	0	0	0	0	0	40	0	0	0	118	0
2024 Buildout Total	0	0	0	0	0	56	0	49	0	92	1,323	0	0	0	750	72
2024 Buildout Heavy Vehicle %	2%	2%	2%	2%	2%	10%	2%	5%	2%	6%	3%	2%	2%	2%	8%	16%

PM PEAK HOUR

					Hunter Road				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	0	0	0	1	60	0	63	0	41	831	0	0	0	930	38
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	1	2	0	1	0	4	29	0	0	0	38	4
Heavy Vehicle %	0%	0%	0%	0%	100%	3%	0%	2%	0%	10%	3%	0%	0%	0%	4%	11%
Peak Hour Factor	0.95				0.95				0.95				0.95			
Adjustment	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Adjusted 2021 Volumes	0	0	0	0	1	66	0	69	0	45	914	0	0	0	1023	42
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											1				5	
2024 Background Traffic	0	0	0	0	1	75	0	79	0	51	1,044	0	0	0	1,172	48
Project Trips																
Trip Distribution IN															70%	
Trip Distribution OUT											70%					
Warehouse (Truck) Trips	0	0	0	0	0	0	0	0	0	0	25	0	0	0	27	0
Trip Distribution IN															45%	
Trip Distribution OUT											45%					
Warehouse (Employee) Trips	0	0	0	0	0	0	0	0	0	0	91	0	0	0	22	0
Total Project Trips	0	0	0	0	0	0	0	0	0	0	116	0	0	0	49	0
2024 Buildout Total	0	0	0	0	1	75	0	79	0	51	1,160	0	0	0	1,221	48
2024 Buildout Heavy Vehicle %	2%	2%	2%	2%	114%	3%	2%	2%	2%	9%	5%	2%	2%	2%	6%	10%

4/21/2021 8:35

INTERSECTION VOLUME DEVELOPMENT

Intersection #4

Roosevelt Highway at /S Fulton Parkway EB Ramps

AM PEAK HOUR

					S Fulton Parkway EB Ramps				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	0	0	0	0	31	0	22	0	400	283	0	0	0	416	36
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	0	2	0	5	0	10	16	0	0	0	39	0
Heavy Vehicle %	0%	0%	0%	0%	0%	6%	0%	23%	0%	3%	6%	0%	0%	0%	9%	2%
Peak Hour Factor	0.96				0.96				0.96				0.96			
Adjustment	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Adjusted 2021 Volumes	0	0	0	0	0	56	0	40	0	720	509	0	0	0	749	65
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											1				3	
2024 Background Traffic	0	0	0	0	0	64	0	46	0	822	582	0	0	0	858	74
Project Trips																
Trip Distribution IN								5%							65%	
Trip Distribution OUT										5%	65%					
Warehouse (Truck) Trips	0	0	0	0	0	0	0	1	0	1	16	0	0	0	17	0
Trip Distribution IN								30%							10%	
Trip Distribution OUT										30%	10%					
Warehouse (Employee) Trips	0	0	0	0	0	0	0	67	0	15	5	0	0	0	22	0
Total Project Trips	0	0	0	0	0	0	0	68	0	16	21	0	0	0	39	0
2024 Buildout Total	0	0	0	0	0	64	0	114	0	838	603	0	0	0	897	74
2024 Buildout Heavy Vehicle %	2%	2%	2%	2%	2%	4%	2%	6%	2%	2%	6%	2%	2%	2%	7%	2%

PM PEAK HOUR

					S Fulton Parkway EB Ramps				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	0	0	0	0	25	0	37	0	499	508	0	0	0	1,012	86
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	0	0	0	4	0	28	16	0	0	51	0	2
Heavy Vehicle %	0%	0%	0%	0%	0%	2%	0%	11%	0%	6%	3%	0%	0%	0%	2%	2%
Peak Hour Factor	0.93				0.93				0.93				0.93			
Adjustment	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Adjusted 2021 Volumes	0	0	0	0	0	28	0	41	0	549	559	0	0	0	1113	95
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											1				5	
2024 Background Traffic	0	0	0	0	0	32	0	47	0	627	639	0	0	0	1,275	108
Project Trips																
Trip Distribution IN								5%							65%	
Trip Distribution OUT										5%	65%					
Warehouse (Truck) Trips	0	0	0	0	0	0	0	2	0	2	23	0	0	0	25	0
Trip Distribution IN								30%							10%	
Trip Distribution OUT										30%	10%					
Warehouse (Employee) Trips	0	0	0	0	0	0	0	15	0	60	20	0	0	0	5	0
Total Project Trips	0	0	0	0	0	0	0	17	0	62	43	0	0	0	30	0
2024 Buildout Total	0	0	0	0	0	32	0	64	0	689	682	0	0	0	1,305	108
2024 Buildout Heavy Vehicle %	2%	2%	2%	2%	2%	2%	2%	10%	2%	5%	6%	2%	2%	2%	2%	2%

4/21/2021 8:35

INTERSECTION VOLUME DEVELOPMENT

Intersection #5

Roosevelt Highway at /S Fulton Parkway WB Ramps

AM PEAK HOUR

					S Fulton Parkway WB Ramps				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	0	0	0	0	23	0	258	0	13	304	0	0	0	201	37
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	0	0	0	18	0	3	11	0	0	0	1	2
Heavy Vehicle %	0%	0%	0%	0%	0%	2%	0%	7%	0%	23%	4%	0%	0%	0%	2%	5%
Peak Hour Factor	0.93				0.93				0.93				0.93			
Adjustment	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Adjusted 2021 Volumes	0	0	0	0	0	41	0	464	0	23	547	0	0	0	362	67
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											1				3	
2024 Background Traffic	0	0	0	0	0	47	0	530	0	26	625	0	0	0	416	76
Project Trips																
Trip Distribution IN								60%							5%	
Trip Distribution OUT										60%	5%					
Warehouse (Truck) Trips	0	0	0	0	0	0	0	16	0	14	1	0	0	0	1	0
Trip Distribution IN															10%	
Trip Distribution OUT											10%					
Warehouse (Employee) Trips	0	0	0	0	0	0	0	0	0	0	5	0	0	0	22	0
Total Project Trips	0	0	0	0	0	0	0	16	0	14	6	0	0	0	23	0
2024 Buildout Total	0	0	0	0	0	47	0	546	0	40	631	0	0	0	439	76
2024 Buildout Heavy Vehicle %	2%	2%	2%	2%	2%	2%	2%	7%	2%	44%	2%	2%	2%	2%	2%	3%

PM PEAK HOUR

					S Fulton Parkway WB Ramps				Roosevelt Highway				Roosevelt Highway			
	Northbound				**Southbound**				**Eastbound**				**Westbound**			
Description	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right	U-Turn	Left	Through	Right
Observed 2021 Traffic Volumes	0	0	0	0	0	58	0	498	1	18	475	0	0	0	640	111
Pedestrians	0				0				0				0			
Conflicting Pedestrians	0			0	0			0	0			0	0			0
Heavy Vehicles	0	0	0	0	0	0	0	18	0	0	3	11	0	0	19	4
Heavy Vehicle %	0%	0%	0%	0%	0%	2%	0%	4%	2%	2%	2%	0%	0%	0%	3%	4%
Peak Hour Factor	0.93				0.93				0.93				0.93			
Adjustment	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Adjusted 2021 Volumes	0	0	0	0	0	64	0	548	1	20	523	0	0	0	704	122
Annual Growth Rate	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
Growth Factor	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141	1.141
Other Development Trips - Stonewall Tell DRI #2745											1				5	
2024 Background Traffic	0	0	0	0	0	73	0	625	1	23	598	0	0	0	808	139
Project Trips																
Trip Distribution IN								60%							5%	
Trip Distribution OUT										60%	5%					
Warehouse (Truck) Trips	0	0	0	0	0	0	0	23	0	21	2	0	0	0	2	0
Trip Distribution IN															10%	
Trip Distribution OUT											10%					
Warehouse (Employee) Trips	0	0	0	0	0	0	0	0	0	0	20	0	0	0	5	0
Total Project Trips	0	0	0	0	0	0	0	23	0	21	22	0	0	0	7	0
2024 Buildout Total	0	0	0	0	0	73	0	648	1	44	620	0	0	0	815	139
2024 Buildout Heavy Vehicle %	2%	2%	2%	2%	2%	2%	2%	7%	2%	48%	2%	2%	2%	2%	3%	3%

4/21/2021 8:35

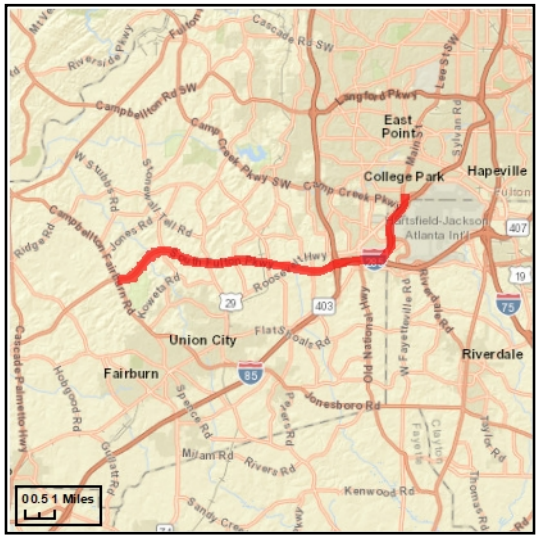
APPENDIX E

Programmed Project Fact Sheets

AR-491A

Atlanta Region's Plan RTP (2020) PROJECT FACT SHEET

Short Title	SOUTH FULTON PARKWAY CORRIDOR HIGH CAPACITY PREMIUM TRANSIT SERVICE FROM MARTA COLLEGE PARK RAIL STATION TO SR 92
GDOT Project No.	TBD
Federal ID No.	N/A
Status	Long Range
Service Type	Transit / Bus Capital
Sponsor	MARTA
Jurisdiction	Fulton County (South)
Analysis Level	In the Region's Air Quality Conformity Analysis



Existing Thru Lane	N/A	**LCI**		**Network Year**	2050
Planned Thru Lane	N/A	**Flex**		**Corridor Length**	TBD miles

Detailed Description and Justification

This project will provide high capacity premium transit service along the South Fulton Parkway corridor between MARTA's College Park heavy rail station and SR 92.

Phase Status & Funding Information		Status	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
					FEDERAL	STATE	BONDS	LOCAL/PRIVATE
ALL	New Starts		LR 2041-2050	**$165,000,000**	$57,750,000	$0,000	$0,000	$107,250,000
				$165,000,000	**$57,750,000**	**$0,000**	**$0,000**	**$107,250,000**

SCP: Scoping PE: Preliminary engineering / engineering / design / planning PE-OV: GDOT oversight services for engineering ROW: Right-of-way Acquistion
UTL: Utility relocation CST: Construction / Implementation ALL: Total estimated cost, inclusive of all phases

? For additional information about this project, please call (404) 463-3100 or email transportation@atlantaregional.com.

ARC

Report Generated: 10/6/2020

FS-283

Atlanta Region's Plan RTP (2020) PROJECT FACT SHEET

Short Title SR/14 US 29 BRIDGE UPGRADE AT CSX RAIL LINE 2.6 MILES NORTHEAST OF UNION CITY

GDOT Project No. 0013809

Federal ID No. N/A

Status Programmed

Service Type Roadway / Bridge Upgrade

Sponsor GDOT

Jurisdiction Fulton County (South)

Analysis Level Exempt from Air Quality Analysis (40 CFR 93)

Existing Thru Lane 2

Planned Thru Lane 2

LCI

Flex

Network Year TBD

Corridor Length 0.4 miles

Detailed Description and Justification

This is a bridge upgrade project located at the CSX line 2.6 miles northeast of Union City. The bridge span is 0.4 of a mile. The current sufficiency score of the bridge is 67% with a deck, superstructure, and substructure all currently in Good Condition. The bridge railing , transitions, approach guardrailss do not meet current acceptable standards. The bridge was originally constructed in 1938 and last reconstructed in 1986. No capacity will be added.

Phase Status & Funding Information		Status	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
					FEDERAL	STATE	BONDS	LOCAL/PRIVATE
PE	National Highway System	AUTH	2016	**$1,000,000**	~~$800,000~~	~~$200,000~~	~~$0,000~~	~~$0,000~~
ROW	National Highway Performance Program (NHPP)		2022	**$650,700**	$520,200	$130,500	$0,000	$0,000
CST	National Highway Performance Program (NHPP)		2023	**$2,300,000**	$1,840,000	$460,000	$0,000	$0,000
				$3,950,700	**$3,160,200**	**$790,500**	**$0,000**	**$0,000**

SCP: Scoping PE: Preliminary engineering / engineering / design / planning PE-OV: GDOT oversight services for engineering ROW: Right-of-way Acquistion
UTL: Utility relocation CST: Construction / Implementation ALL: Total estimated cost, inclusive of all phases

? For additional information about this project, please call (404) 463-3100 or email transportation@atlantaregional.com.

Report Generated: 10/6/2020

APPENDIX F

Raw Traffic Count Data

Peak Hour Turning Movement Count

Click here for Map

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	0700 - 0900
Peak Hour	0730 - 0830

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

GA-138 Beverly Engram Pkwy (North)

Southbound

	(1-3)	(4-7)	(8-13)					
(1-3)	21	277	95	0		393	262	(1-3)
(4-7)	3	27	3	0		33	34	(4-7)
(8-13)	7	3	0	0		10	10	(8-13)
Total	31	307	98	0		436	306	Total

0

0

GA-14 Roosevelt Hwy (West)

Eastbound

(1-3)	(4-7)	(8-13)	Total	
365	50	16	431	←
417	46	10	473	→
0	0	0	0	↰
16	1	5	22	↑
258	11	5	274	↑
143	34	0	177	↱
(1-3)	(4-7)	(8-13)	Total	

0

0

Classes	(1-3)	(4-7)	(8-13)	Total
Volume	1518	176	38	1732
PHF				0.9135

0

0

GA-14 Roosevelt Hwy (East)

Westbound

Total	(8-13)	(4-7)	(1-3)
54	0	6	48
202	9	20	173
76	1	13	62
0	0	0	0
332	10	39	283
435	8	18	409
Total	(8-13)	(4-7)	(1-3)

0

0

GA-138 Beverly Engram Pkwy (South)

Northbound

Total	560	491		0	198	230	63	Total
(8-13)	4	8		0	0	5	3	(8-13)
(4-7)	74	58		0	27	27	4	(4-7)
(1-3)	482	425		0	171	198	56	(1-3)

All vehicles

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
0730 - 0745	61	80	20	0	161	24	78	8	0	110	9	66	36	0	111	16	61	15	0	92	474
0745 - 0800	46	46	19	0	111	24	85	3	0	112	4	79	49	0	132	10	50	9	0	69	424
0800 - 0815	50	54	14	0	118	28	59	11	0	98	7	68	47	0	122	18	37	12	0	67	405
0815 - 0830	41	50	10	0	101	22	85	9	0	116	2	61	45	0	108	32	54	18	0	104	429
Total	198	230	63	0	491	98	307	31	0	436	22	274	177	0	473	76	202	54	0	332	1732
Approach %	40.33	46.84	12.83	0.00	-	22.48	70.41	7.11	0.00	-	4.65	57.93	37.42	0.00	-	22.89	60.84	16.27	0.00	-	
PHF	0.81	0.72	0.79	0.00	**0.76**	0.88	0.90	0.70	0.00	**0.94**	0.61	0.87	0.90	0.00	**0.90**	0.59	0.83	0.75	0.00	**0.80**	**0.91**

Bikes

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
0730 - 0745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0745 - 0800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0815	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0815 - 0830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
0730 - 0745	56	65	17	0	138	24	73	5	0	102	6	59	31	0	96	14	54	14	0	82	418
0745 - 0800	38	39	18	0	95	23	81	3	0	107	3	76	46	0	125	9	43	7	0	59	386
0800 - 0815	44	52	12	0	108	26	49	8	0	83	5	66	35	0	106	14	31	12	0	57	354
0815 - 0830	33	42	9	0	84	22	74	5	0	101	2	57	31	0	90	25	45	15	0	85	360
Total	171	198	56	0	425	95	277	21	0	393	16	258	143	0	417	62	173	48	0	283	1518
Approach %	40.24	46.59	13.18	0.00	-	24.17	70.48	5.34	0.00	-	3.84	61.87	34.29	0.00	-	21.91	61.13	16.96	0.00	-	
PHF	0.76	0.76	0.78	0.00	**0.77**	0.91	0.85	0.66	0.00	**0.92**	0.67	0.85	0.78	0.00	**0.83**	0.62	0.80	0.80	0.00	**0.83**	**0.91**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
0730 - 0745	5	12	2	0	19	0	3	1	0	4	1	5	5	0	11	1	5	1	0	7	41
0745 - 0800	8	5	0	0	13	1	4	0	0	5	0	2	3	0	5	1	5	2	0	8	31
0800 - 0815	6	2	1	0	9	2	9	1	0	12	0	2	12	0	14	4	4	0	0	8	43
0815 - 0830	8	8	1	0	17	0	11	1	0	12	0	2	14	0	16	7	6	3	0	16	61
Total	27	27	4	0	58	3	27	3	0	33	1	11	34	0	46	13	20	6	0	39	176
Approach %	46.55	46.55	6.90	0.00	-	9.09	81.82	9.09	0.00	-	2.17	23.91	73.91	0.00	-	33.33	51.28	15.38	0.00	-	
PHF	0.84	0.56	0.50	0.00	**0.76**	0.38	0.61	0.75	0.00	**0.69**	0.25	0.55	0.61	0.00	**0.72**	0.46	0.83	0.50	0.00	**0.61**	**0.72**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
0730 - 0745	0	3	1	0	4	0	2	2	0	4	2	2	0	0	4	1	2	0	0	3	15
0745 - 0800	0	2	1	0	3	0	0	0	0	0	1	1	0	0	2	0	2	0	0	2	7
0800 - 0815	0	0	1	0	1	0	1	2	0	3	2	0	0	0	2	0	2	0	0	2	8
0815 - 0830	0	0	0	0	0	0	0	3	0	3	0	2	0	0	2	0	3	0	0	3	8
Total	0	5	3	0	8	0	3	7	0	10	5	5	0	0	10	1	9	0	0	10	38
Approach %	0.00	62.50	37.50	0.00	-	0.00	30.00	70.00	0.00	-	50.00	50.00	0.00	0.00	-	10.00	90.00	0.00	0.00	-	
PHF	0.00	0.42	0.75	0.00	**0.50**	0.00	0.38	0.58	0.00	**0.63**	0.63	0.63	0.00	0.00	**0.63**	0.25	0.75	0.00	0.00	**0.83**	**0.63**

Pedestrians

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	EB 1a	WB 1b			App Total	EB 1c	WB 1d			App Total	NB 1e	SB 1f			App Total	NB 1g	SB 1h			App Total	Int Total
0730 - 0745	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0745 - 0800	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0800 - 0815	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0815 - 0830	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Peak Hour Turning Movement Count

Click here for Map

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	1600 - 1800
Peak Hour	1645 - 1745

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

GA-138 Beverly Engram Pkwy (North)

Southbound

	(1-3)	(4-7)	(8-13)	Total
(1-3)	35	313	123	0
(4-7)	2	24	3	0
(8-13)	6	6	0	0
Total	43	343	126	0

	Total	(1-3)
(1-3)	471	652
(4-7)	29	18
(8-13)	12	14
Total	512	684

0

0

GA-14 Roosevelt Hwy (West)

Eastbound

	(1-3)	(4-7)	(8-13)	Total
	924	24	19	967
	789	28	15	832
	0	0	0	0
	33	0	4	37
	495	9	10	514
	261	19	1	281
	(1-3)	(4-7)	(8-13)	Total

0

0

Classes	(1-3)	(4-7)	(8-13)	Total
Volume	3097	126	53	3276
PHF				0.9695

GA-14 Roosevelt Hwy (East)

Westbound

	Total	(8-13)	(4-7)	(1-3)
	171	0	1	170
	551	9	8	534
	194	3	24	167
	0	0	0	0
	916	12	33	871
	807	10	17	780
	Total	(8-13)	(4-7)	(1-3)

0

0

0

0

GA-138 Beverly Engram Pkwy (South)

Northbound

Total	818	1016	0	373	476	167	Total
(8-13)	10	14	0	4	10	0	(8-13)
(4-7)	67	36	0	14	17	5	(4-7)
(1-3)	741	966	0	355	449	162	(1-3)

All vehicles

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
1645 - 1700	90	113	39	0	242	32	95	14	0	141	8	114	73	0	195	51	138	44	0	233	811
1700 - 1715	86	112	33	0	231	27	68	11	0	106	7	152	79	0	238	61	166	43	0	270	845
1715 - 1730	101	117	42	0	260	31	96	12	0	139	10	124	70	0	204	48	123	50	0	221	824
1730 - 1745	96	134	53	0	283	36	84	7	0	127	12	124	59	0	195	34	124	34	0	192	797
Total	373	476	167	0	1016	126	343	44	0	513	37	514	281	0	832	194	551	171	0	916	3277
Approach %	36.71	46.85	16.44	0.00	-	24.56	66.86	8.58	0.00	-	4.45	61.78	33.77	0.00	-	21.18	60.15	18.67	0.00	-	
PHF	0.92	0.89	0.79	0.00	**0.90**	0.88	0.89	0.79	0.00	**0.91**	0.77	0.85	0.89	0.00	**0.87**	0.80	0.83	0.86	0.00	**0.85**	**0.97**

Bikes

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
1645 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1715	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
1715 - 1730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1730 - 1745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Approach %	0.00	0.00	0.00	0.00	-	0.00	0.00	100.00	0.00	-	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.25	0.00	**0.25**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	**0.25**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
1645 - 1700	84	104	39	0	227	32	81	11	0	124	6	109	66	0	181	38	134	44	0	216	748
1700 - 1715	81	105	32	0	218	25	60	8	0	93	7	149	73	0	229	54	160	43	0	257	797
1715 - 1730	99	114	40	0	253	30	92	10	0	132	10	121	65	0	196	42	121	50	0	213	794
1730 - 1745	91	126	51	0	268	36	80	6	0	122	10	116	57	0	183	33	119	33	0	185	758
Total	355	449	162	0	966	123	313	35	0	471	33	495	261	0	789	167	534	170	0	871	3097
Approach %	36.75	46.48	16.77	0.00	-	26.11	66.45	7.43	0.00	-	4.18	62.74	33.08	0.00	-	19.17	61.31	19.52	0.00	-	
PHF	0.90	0.89	0.79	0.00	**0.90**	0.85	0.85	0.80	0.00	**0.89**	0.83	0.83	0.89	0.00	**0.86**	0.77	0.83	0.85	0.00	**0.85**	**0.97**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
1645 - 1700	4	7	0	0	11	0	13	2	0	15	0	3	7	0	10	11	1	0	0	12	48
1700 - 1715	4	4	1	0	9	2	7	0	0	9	0	2	5	0	7	7	3	0	0	10	35
1715 - 1730	2	0	2	0	4	1	1	0	0	2	0	1	5	0	6	5	1	0	0	6	18
1730 - 1745	4	6	2	0	12	0	3	0	0	3	0	3	2	0	5	1	3	1	0	5	25
Total	14	17	5	0	36	3	24	2	0	29	0	9	19	0	28	24	8	1	0	33	126
Approach %	38.89	47.22	13.89	0.00	-	10.34	82.76	6.90	0.00	-	0.00	32.14	67.86	0.00	-	72.73	24.24	3.03	0.00	-	
PHF	0.88	0.61	0.63	0.00	**0.75**	0.38	0.46	0.25	0.00	**0.48**	0.00	0.75	0.68	0.00	**0.70**	0.55	0.67	0.25	0.00	**0.69**	**0.66**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 1.1	Thru 1.2	Right 1.3	U-Turn 1.4	App Total	Left 1.5	Thru 1.6	Right 1.7	U-Turn 1.8	App Total	Left 1.9	Thru 1.10	Right 1.11	U-Turn 1.12	App Total	Left 1.13	Thru 1.14	Right 1.15	U-Turn 1.16	App Total	Int Total
1645 - 1700	2	2	0	0	4	0	1	1	0	2	2	2	0	0	4	2	3	0	0	5	15
1700 - 1715	1	3	0	0	4	0	1	2	0	3	0	1	1	0	2	0	3	0	0	3	12
1715 - 1730	0	3	0	0	3	0	3	2	0	5	0	2	0	0	2	1	1	0	0	2	12
1730 - 1745	1	2	0	0	3	0	1	1	0	2	2	5	0	0	7	0	2	0	0	2	14
Total	4	10	0	0	14	0	6	6	0	12	4	10	1	0	15	3	9	0	0	12	53
Approach %	28.57	71.43	0.00	0.00	-	0.00	50.00	50.00	0.00	-	26.67	66.67	6.67	0.00	-	25.00	75.00	0.00	0.00	-	
PHF	0.50	0.83	0.00	0.00	**0.88**	0.00	0.50	0.75	0.00	**0.60**	0.50	0.50	0.25	0.00	**0.54**	0.38	0.75	0.00	0.00	**0.60**	**0.88**

Pedestrians

	Northbound					Southbound					Eastbound					Westbound					
	GA-138 Beverly Engram Pkwy (South)					GA-138 Beverly Engram Pkwy (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	EB 1a	WB 1b			App Total	EB 1c	WB 1d			App Total	NB 1e	SB 1f			App Total	NB 1g	SB 1h			App Total	Int Total
1645 - 1700	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1700 - 1715	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1715 - 1730	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1730 - 1745	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Peak Hour Turning Movement Count

Click here for Map

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	0700 - 0900
Peak Hour	0730 - 0830

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

Stonewall Tell Rd (North)

Southbound

(1-3)	119	0	15	0	134	161	(1-3)
(4-7)	11	0	2	0	13	7	(4-7)
(8-13)	1	0	0	0	1	1	(8-13)
Total	131	0	17	0	148	169	Total

0

0

GA-14 Roosevelt Hwy (West)

Eastbound

(1-3)	(4-7)	(8-13)	Total
332	40	9	381
691	25	8	724
0	0	0	0
137	6	1	144
553	19	7	579
1	0	0	1
(1-3)	(4-7)	(8-13)	Total

0

0

Classes	(1-3)	(4-7)	(8-13)	Total
Volume	1069	68	17	1154
PHF				0.9247

GA-14 Roosevelt Hwy (East)

Westbound

Total	(8-13)	(4-7)	(1-3)
25	0	1	24
250	8	29	213
5	0	0	5
0	0	0	0
280	8	30	242
598	7	21	570
Total	(8-13)	(4-7)	(1-3)

0

0

0

0

Stonewall Tell Rd (South)

Northbound

Total	6	2	0	0	0	2	Total
(8-13)	0	0	0	0	0	0	(8-13)
(4-7)	0	0	0	0	0	0	(4-7)
(1-3)	6	2	0	0	0	2	(1-3)

All vehicles

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
0730 - 0745	0	0	0	0	0	6	0	37	0	43	43	144	1	0	188	2	73	6	0	81	312
0745 - 0800	0	0	1	0	1	1	0	32	0	33	37	172	0	0	209	1	63	3	0	67	310
0800 - 0815	0	0	1	0	1	6	0	31	0	37	41	140	0	0	181	2	54	8	0	64	283
0815 - 0830	0	0	0	0	0	4	0	31	0	35	23	123	0	0	146	0	60	8	0	68	249
Total	0	0	2	0	2	17	0	131	0	148	144	579	1	0	724	5	250	25	0	280	1154
Approach %	0.00	0.00	100.00	0.00	-	11.49	0.00	88.51	0.00	-	19.89	79.97	0.14	0.00	-	1.79	89.29	8.93	0.00	-	
PHF	0.00	0.00	0.50	0.00	**0.50**	0.71	0.00	0.89	0.00	**0.86**	0.84	0.84	0.25	0.00	**0.87**	0.63	0.86	0.78	0.00	**0.86**	**0.92**

Bikes

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
0730 - 0745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0745 - 0800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0815	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0815 - 0830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
0730 - 0745	0	0	0	0	0	5	0	35	0	40	41	140	1	0	182	2	65	6	0	73	295
0745 - 0800	0	0	1	0	1	1	0	29	0	30	36	163	0	0	199	1	53	3	0	57	287
0800 - 0815	0	0	1	0	1	5	0	27	0	32	38	135	0	0	173	2	42	8	0	52	258
0815 - 0830	0	0	0	0	0	4	0	28	0	32	22	115	0	0	137	0	53	7	0	60	229
Total	0	0	2	0	2	15	0	119	0	134	137	553	1	0	691	5	213	24	0	242	1069
Approach %	0.00	0.00	100.00	0.00	-	11.19	0.00	88.81	0.00	-	19.83	80.03	0.14	0.00	-	2.07	88.02	9.92	0.00	-	
PHF	0.00	0.00	0.50	0.00	**0.50**	0.75	0.00	0.85	0.00	**0.84**	0.84	0.85	0.25	0.00	**0.87**	0.63	0.82	0.75	0.00	**0.83**	**0.91**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
0730 - 0745	0	0	0	0	0	1	0	1	0	2	2	2	0	0	4	0	6	0	0	6	12
0745 - 0800	0	0	0	0	0	0	0	3	0	3	1	8	0	0	9	0	9	0	0	9	21
0800 - 0815	0	0	0	0	0	1	0	4	0	5	3	4	0	0	7	0	9	0	0	9	21
0815 - 0830	0	0	0	0	0	0	0	3	0	3	0	5	0	0	5	0	5	1	0	6	14
Total	0	0	0	0	0	2	0	11	0	13	6	19	0	0	25	0	29	1	0	30	68
Approach %	0.00	0.00	0.00	0.00	-	15.38	0.00	84.62	0.00	-	24.00	76.00	0.00	0.00	-	0.00	96.67	3.33	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.50	0.00	0.69	0.00	**0.65**	0.50	0.59	0.00	0.00	**0.69**	0.00	0.81	0.25	0.00	**0.83**	**0.81**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
0730 - 0745	0	0	0	0	0	0	0	1	0	1	0	2	0	0	2	0	2	0	0	2	5
0745 - 0800	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
0800 - 0815	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	3	4
0815 - 0830	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	2	0	0	2	6
Total	0	0	0	0	0	0	0	1	0	1	1	7	0	0	8	0	8	0	0	8	17
Approach %	0.00	0.00	0.00	0.00	-	0.00	0.00	100.00	0.00	-	12.50	87.50	0.00	0.00	-	0.00	100.00	0.00	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.25	0.00	**0.25**	0.25	0.58	0.00	0.00	**0.50**	0.00	0.67	0.00	0.00	**0.67**	**0.71**

Pedestrians

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	EB 2a	WB 2b			App Total	EB 2c	WB 2d			App Total	NB 2e	SB 2f			App Total	NB 2g	SB 2h			App Total	Int Total
0730 - 0745	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0745 - 0800	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0800 - 0815	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0815 - 0830	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Peak Hour Turning Movement Count

Click here for Map

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	1600 - 1800
Peak Hour	1630 - 1730

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

Stonewall Tell Rd (North)

Southbound

(1-3)	228	0	24	0	252	251	(1-3)
(4-7)	9	0	0	0	9	10	(4-7)
(8-13)	0	0	0	0	0	1	(8-13)
Total	237	0	24	0	261	262	Total

0

0

GA-14 Roosevelt Hwy (West)

Eastbound

(1-3)	(4-7)	(8-13)	Total
1139	42	8	1189
944	28	11	983
0	0	0	0
212	9	1	222
728	18	10	756
4	1	0	5
(1-3)	(4-7)	(8-13)	Total

0

0

Classes	(1-3)	(4-7)	(8-13)	Total
Volume	2158	71	19	2248
PHF				0.934

GA-14 Roosevelt Hwy (East)

Westbound

Total	(8-13)	(4-7)	(1-3)
36	0	1	35
951	8	33	910
1	0	0	1
1	0	0	1
989	8	34	947
790	10	18	762
Total	(8-13)	(4-7)	(1-3)

0

0

0

0

Stonewall Tell Rd (South)

Northbound

Total	7	15	1	1	4	9	Total
(8-13)	0	0	0	0	0	0	(8-13)
(4-7)	1	0	0	0	0	0	(4-7)
(1-3)	6	15	1	1	4	9	(1-3)

All vehicles

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
1630 - 1645	1	0	1	0	2	6	0	59	0	65	53	177	0	0	230	1	252	9	1	263	560
1645 - 1700	0	2	2	0	4	7	0	62	0	69	56	180	2	0	238	0	223	9	0	232	543
1700 - 1715	0	1	2	0	3	10	0	57	0	67	57	208	1	0	266	0	255	11	0	266	602
1715 - 1730	0	2	4	1	7	1	0	59	0	60	56	191	2	0	249	0	221	7	0	228	544
Total	1	5	9	1	16	24	0	237	0	261	222	756	5	0	983	1	951	36	1	989	2249
Approach %	6.25	31.25	56.25	6.25	-	9.20	0.00	90.80	0.00	-	22.58	76.91	0.51	0.00	-	0.10	96.16	3.64	0.10	-	
PHF	0.25	0.63	0.56	0.25	**0.57**	0.60	0.00	0.96	0.00	**0.95**	0.97	0.91	0.63	0.00	**0.92**	0.25	0.93	0.82	0.25	**0.93**	**0.93**

Bikes

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
1630 - 1645	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1645 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1715	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1715 - 1730	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Approach %	0.00	100.00	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	-	
PHF	0.00	0.25	0.00	0.00	**0.25**	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**	**0.25**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
1630 - 1645	1	0	1	0	2	6	0	55	0	61	51	165	0	0	216	1	240	9	1	251	530
1645 - 1700	0	2	2	0	4	7	0	61	0	68	53	172	2	0	227	0	210	9	0	219	518
1700 - 1715	0	1	2	0	3	10	0	54	0	64	56	205	0	0	261	0	247	11	0	258	586
1715 - 1730	0	1	4	1	6	1	0	58	0	59	52	186	2	0	240	0	213	6	0	219	524
Total	1	4	9	1	15	24	0	228	0	252	212	728	4	0	944	1	910	35	1	947	2158
Approach %	6.67	26.67	60.00	6.67	-	9.52	0.00	90.48	0.00	-	22.46	77.12	0.42	0.00	-	0.11	96.09	3.70	0.11	-	
PHF	0.25	0.50	0.56	0.25	**0.63**	0.60	0.00	0.93	0.00	**0.93**	0.95	0.89	0.50	0.00	**0.90**	0.25	0.92	0.80	0.25	**0.92**	**0.92**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
1630 - 1645	0	0	0	0	0	0	0	4	0	4	2	8	0	0	10	0	9	0	0	9	23
1645 - 1700	0	0	0	0	0	0	0	1	0	1	3	5	0	0	8	0	10	0	0	10	19
1700 - 1715	0	0	0	0	0	0	0	3	0	3	1	2	1	0	4	0	8	0	0	8	15
1715 - 1730	0	0	0	0	0	0	0	1	0	1	3	3	0	0	6	0	6	1	0	7	14
Total	0	0	0	0	0	0	0	9	0	9	9	18	1	0	28	0	33	1	0	34	71
Approach %	0.00	0.00	0.00	0.00	-	0.00	0.00	100.00	0.00	-	32.14	64.29	3.57	0.00	-	0.00	97.06	2.94	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.56	0.00	**0.56**	0.75	0.56	0.25	0.00	**0.70**	0.00	0.83	0.25	0.00	**0.85**	**0.77**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	Left 2.1	Thru 2.2	Right 2.3	U-Turn 2.4	App Total	Left 2.5	Thru 2.6	Right 2.7	U-Turn 2.8	App Total	Left 2.9	Thru 2.10	Right 2.11	U-Turn 2.12	App Total	Left 2.13	Thru 2.14	Right 2.15	U-Turn 2.16	App Total	Int Total
1630 - 1645	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	3	0	0	3	7
1645 - 1700	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	3	0	0	3	6
1700 - 1715	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
1715 - 1730	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3	0	2	0	0	2	5
Total	0	0	0	0	0	0	0	0	0	0	1	10	0	0	11	0	8	0	0	8	19
Approach %	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	-	9.09	90.91	0.00	0.00	-	0.00	100.00	0.00	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.25	0.63	0.00	0.00	**0.69**	0.00	0.67	0.00	0.00	**0.67**	**0.68**

Pedestrians

	Northbound					Southbound					Eastbound					Westbound					
	Stonewall Tell Rd (South)					Stonewall Tell Rd (North)					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time	EB 2a	WB 2b			App Total	EB 2c	WB 2d			App Total	NB 2e	SB 2f			App Total	NB 2g	SB 2h			App Total	Int Total
1630 - 1645	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1645 - 1700	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1700 - 1715	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1715 - 1730	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Peak Hour Turning Movement Count

Click here for Map

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	0700 - 0900
Peak Hour	0730 - 0830

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

Hunter Rd

Southbound

(1-3)	22	22	0	44	65	(1-3)
(4-7)	0	3	0	3	9	(4-7)
(8-13)	2	2	0	4	6	(8-13)
Total	24	27	0	51	80	Total

0

0

GA-14 Roosevelt Hwy (West)

Eastbound

(1-3)	(4-7)	(8-13)	Total
294	28	8	330
640	22	7	669
0	0	0	0
40	4	1	45
600	18	6	624

0

0

GA-14 Roosevelt Hwy (East)

Westbound

Total	(8-13)	(4-7)	(1-3)
35	5	5	25
306	6	28	272
0	0	0	0
341	11	33	297
651	8	21	622

0

0

Classes	(1-3)	(4-7)	(8-13)	Total
Volume	981	58	22	1061
PHF				0.9178

All vehicles

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
0730 - 0745	-	-	-	-	0	6	-	3	0	9	9	153	-	0	162	-	92	6	0	98	269
0745 - 0800	-	-	-	-	0	10	-	6	0	16	19	168	-	0	187	-	76	10	0	86	289
0800 - 0815	-	-	-	-	0	7	-	9	0	16	10	142	-	0	152	-	67	8	0	75	243
0815 - 0830	-	-	-	-	0	4	-	6	0	10	7	161	-	0	168	-	71	11	0	82	260
Total	0	0	0	0	0	27	0	24	0	51	45	624	0	0	669	0	306	35	0	341	1061
Approach %	0.00	0.00	0.00	0.00	-	52.94	0.00	47.06	0.00	-	6.73	93.27	0.00	0.00	-	0.00	89.74	10.26	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.68	0.00	0.67	0.00	**0.80**	0.59	0.93	0.00	0.00	**0.89**	0.00	0.83	0.80	0.00	**0.87**	**0.92**

Bikes

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
0730 - 0745	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
0745 - 0800	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
0800 - 0815	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
0815 - 0830	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Passenger Vehicles (1-3)

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
0730 - 0745	-	-	-	-	0	5	-	3	0	8	8	147	-	0	155	-	81	2	0	83	246
0745 - 0800	-	-	-	-	0	9	-	6	0	15	19	161	-	0	180	-	70	9	0	79	274
0800 - 0815	-	-	-	-	0	7	-	8	0	15	8	137	-	0	145	-	56	5	0	61	221
0815 - 0830	-	-	-	-	0	1	-	5	0	6	5	155	-	0	160	-	65	9	0	74	240
Total	0	0	0	0	0	22	0	22	0	44	40	600	0	0	640	0	272	25	0	297	981
Approach %	0.00	0.00	0.00	0.00	-	50.00	0.00	50.00	0.00	-	6.25	93.75	0.00	0.00	-	0.00	91.58	8.42	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.61	0.00	0.69	0.00	**0.73**	0.53	0.93	0.00	0.00	**0.89**	0.00	0.84	0.69	0.00	**0.89**	**0.90**

Single Unit Trucks (4-7)

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
0730 - 0745	-	-	-	-	0	0	-	0	0	0	1	4	-	0	5	-	8	2	0	10	15
0745 - 0800	-	-	-	-	0	1	-	0	0	1	0	6	-	0	6	-	6	0	0	6	13
0800 - 0815	-	-	-	-	0	0	-	0	0	0	2	4	-	0	6	-	9	2	0	11	17
0815 - 0830	-	-	-	-	0	2	-	0	0	2	1	4	-	0	5	-	5	1	0	6	13
Total	0	0	0	0	0	3	0	0	0	3	4	18	0	0	22	0	28	5	0	33	58
Approach %	0.00	0.00	0.00	0.00	-	100.00	0.00	0.00	0.00	-	18.18	81.82	0.00	0.00	-	0.00	84.85	15.15	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.38	0.00	0.00	0.00	**0.38**	0.50	0.75	0.00	0.00	**0.92**	0.00	0.78	0.63	0.00	**0.75**	**0.85**

Combination Trucks (8-13)

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
0730 - 0745	-	-	-	-	0	1	-	0	0	1	0	2	-	0	2	-	3	2	0	5	8
0745 - 0800	-	-	-	-	0	0	-	0	0	0	0	1	-	0	1	-	0	1	0	1	2
0800 - 0815	-	-	-	-	0	0	-	1	0	1	0	1	-	0	1	-	2	1	0	3	5
0815 - 0830	-	-	-	-	0	1	-	1	0	2	1	2	-	0	3	-	1	1	0	2	7
Total	0	0	0	0	0	2	0	2	0	4	1	6	0	0	7	0	6	5	0	11	22
Approach %	0.00	0.00	0.00	0.00	-	50.00	0.00	50.00	0.00	-	14.29	85.71	0.00	0.00	-	0.00	54.55	45.45	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.50	0.00	0.50	0.00	**0.50**	0.25	0.75	0.00	0.00	**0.58**	0.00	0.50	0.63	0.00	**0.55**	**0.69**

Pedestrians

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	EB 3c	WB 3d			App Total	NB 3e	SB 3f			App Total	NB 3g	SB 3h			App Total	Int Total
0730 - 0745	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0745 - 0800	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0800 - 0815	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
0815 - 0830	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Peak Hour Turning Movement Count

Click here for Map

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

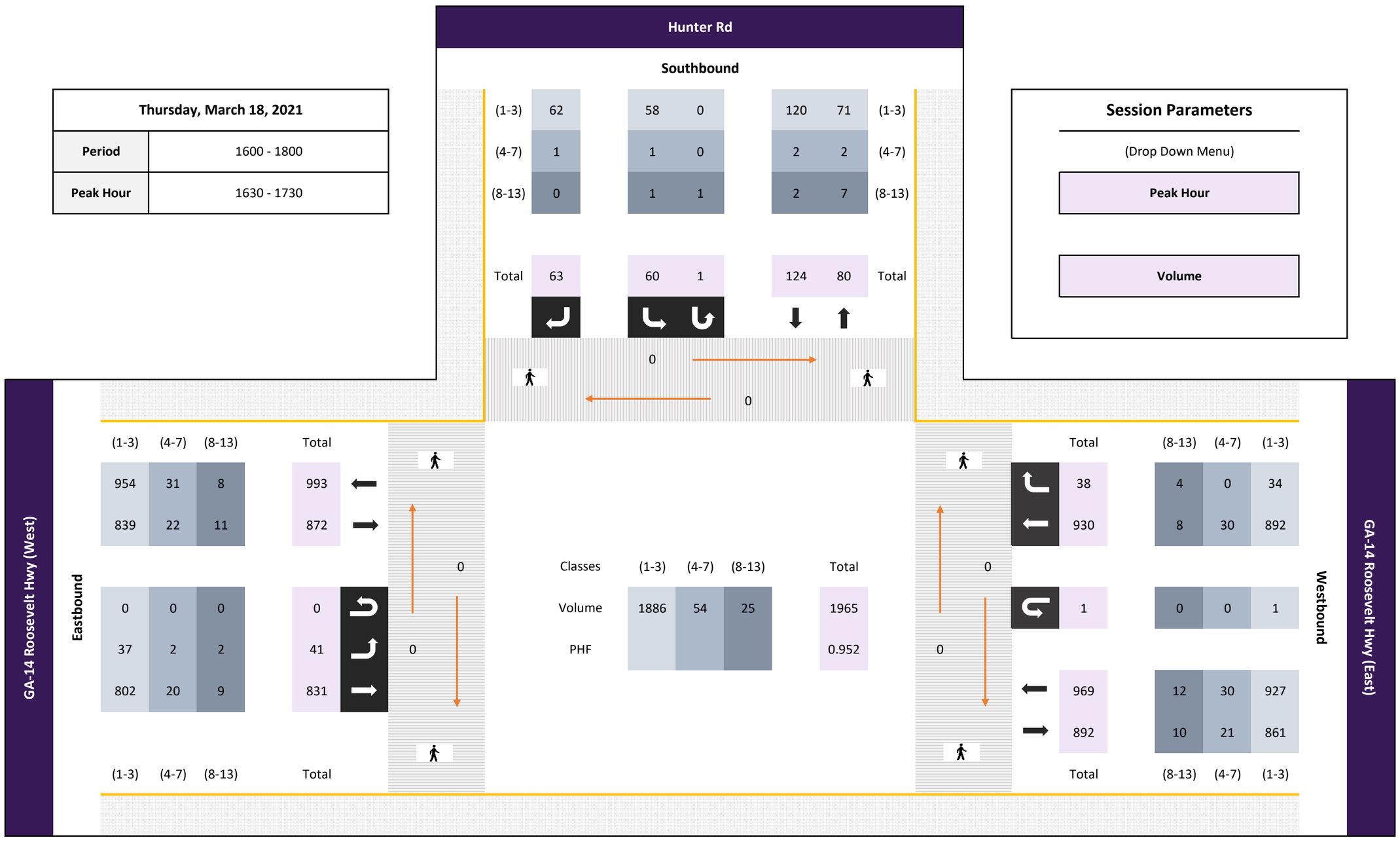
Thursday, March 18, 2021	
Period	1600 - 1800
Peak Hour	1630 - 1730

Session Parameters

(Drop Down Menu)

Peak Hour

Volume



All vehicles

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
1630 - 1645	-	-	-	-	0	17	-	19	1	37	17	194	-	0	211	-	246	11	0	257	505
1645 - 1700	-	-	-	-	0	14	-	16	0	30	6	193	-	0	199	-	213	8	1	222	451
1700 - 1715	-	-	-	-	0	19	-	13	0	32	10	230	-	0	240	-	236	8	0	244	516
1715 - 1730	-	-	-	-	0	10	-	15	0	25	8	214	-	0	222	-	235	11	0	246	493
Total	0	0	0	0	0	60	0	63	1	124	41	831	0	0	872	0	930	38	1	969	1965
Approach %	0.00	0.00	0.00	0.00	-	48.39	0.00	50.81	0.81	-	4.70	95.30	0.00	0.00	-	0.00	95.98	3.92	0.10	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.79	0.00	0.83	0.25	**0.84**	0.60	0.90	0.00	0.00	**0.91**	0.00	0.95	0.86	0.25	**0.94**	**0.95**

Bikes

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
1630 - 1645	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
1645 - 1700	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
1700 - 1715	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
1715 - 1730	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Passenger Vehicles (1-3)

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
1630 - 1645	-	-	-	-	0	16	-	19	0	35	14	182	-	0	196	-	234	10	0	244	475
1645 - 1700	-	-	-	-	0	13	-	16	0	29	5	184	-	0	189	-	202	6	1	209	427
1700 - 1715	-	-	-	-	0	19	-	13	0	32	10	227	-	0	237	-	228	8	0	236	505
1715 - 1730	-	-	-	-	0	10	-	14	0	24	8	209	-	0	217	-	228	10	0	238	479
Total	0	0	0	0	0	58	0	62	0	120	37	802	0	0	839	0	892	34	1	927	1886
Approach %	0.00	0.00	0.00	0.00	-	48.33	0.00	51.67	0.00	-	4.41	95.59	0.00	0.00	-	0.00	96.22	3.67	0.11	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.76	0.00	0.82	0.00	**0.86**	0.66	0.88	0.00	0.00	**0.89**	0.00	0.95	0.85	0.25	**0.95**	**0.93**

Single Unit Trucks (4-7)

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
1630 - 1645	-	-	-	-	0	0	-	0	0	0	2	9	-	0	11	-	9	0	0	9	20
1645 - 1700	-	-	-	-	0	1	-	0	0	1	0	6	-	0	6	-	8	0	0	8	15
1700 - 1715	-	-	-	-	0	0	-	0	0	0	0	3	-	0	3	-	8	0	0	8	11
1715 - 1730	-	-	-	-	0	0	-	1	0	1	0	2	-	0	2	-	5	0	0	5	8
Total	0	0	0	0	0	1	0	1	0	2	2	20	0	0	22	0	30	0	0	30	54
Approach %	0.00	0.00	0.00	0.00	-	50.00	0.00	50.00	0.00	-	9.09	90.91	0.00	0.00	-	0.00	100.00	0.00	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.25	0.00	0.25	0.00	**0.50**	0.25	0.56	0.00	0.00	**0.50**	0.00	0.83	0.00	0.00	**0.83**	**0.68**

Combination Trucks (8-13)

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	Left 3.1		Right 3.2	U-Turn 3.3	App Total	Left 3.4	Thru 3.5		U-Turn 3.6	App Total		Thru 3.7	Right 3.8	U-Turn 3.9	App Total	Int Total
1630 - 1645	-	-	-	-	0	1	-	0	1	2	1	3	-	0	4	-	3	1	0	4	10
1645 - 1700	-	-	-	-	0	0	-	0	0	0	1	3	-	0	4	-	3	2	0	5	9
1700 - 1715	-	-	-	-	0	0	-	0	0	0	0	0	-	0	0	-	0	0	0	0	0
1715 - 1730	-	-	-	-	0	0	-	0	0	0	0	3	-	0	3	-	2	1	0	3	6
Total	0	0	0	0	0	1	0	0	1	2	2	9	0	0	11	0	8	4	0	12	25
Approach %	0.00	0.00	0.00	0.00	-	50.00	0.00	0.00	50.00	-	18.18	81.82	0.00	0.00	-	0.00	66.67	33.33	0.00	-	
PHF	0.00	0.00	0.00	0.00	**0.00**	0.25	0.00	0.00	0.25	**0.25**	0.50	0.75	0.00	0.00	**0.69**	0.00	0.67	0.50	0.00	**0.60**	**0.63**

Pedestrians

						Southbound					Eastbound					Westbound					
						Hunter Rd					GA-14 Roosevelt Hwy (West)					GA-14 Roosevelt Hwy (East)					
Time					App Total	EB 3c	WB 3d			App Total	NB 3e	SB 3f			App Total	NB 3g	SB 3h			App Total	Int Total
1630 - 1645	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1645 - 1700	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1700 - 1715	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
1715 - 1730	-	-	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.00	-	
PHF	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**	0.00	0.00	0.00	0.00	**0.00**	**0.00**

Click here for Map

Peak Hour Turning Movement Count

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	0700 - 0900
Peak Hour	0700 - 0800

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

GA-14 Roosevelt Hwy (North)

Southbound

(1-3)	36	377	0	413	296	(1-3)
(4-7)	0	30	0	30	15	(4-7)
(8-13)	0	9	0	9	3	(8-13)
Total	36	416	0	452	314	Total

0

0

S Fulton Pkwy EB On/Off-Ramp

Eastbound

(1-3)	(4-7)	(8-13)	Total	
426	5	5	436	←
46	5	2	53	→
0	0	0	0	↶
29	1	1	31	↱
17	4	1	22	↳
(1-3)	(4-7)	(8-13)	Total	

0

0

Classes	(1-3)	(4-7)	(8-13)	Total
Volume	1116	54	18	1188
PHF				0,9581

0

0

Total	438	683	0	400	283	Total
(8-13)	10	7	0	5	2	(8-13)
(4-7)	34	19	0	5	14	(4-7)
(1-3)	394	657	0	390	267	(1-3)

Northbound

GA-14 Roosevelt Hwy (South)

All vehicles

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
0700 - 0715	89	66	-	0	155	-	114	7	0	121	6	-	5	0	11	-	-	-	-	0	287
0715 - 0730	116	73	-	0	189	-	87	9	0	96	8	-	8	0	16	-	-	-	-	0	301
0730 - 0745	114	68	-	0	182	-	105	10	0	115	9	-	4	0	13	-	-	-	-	0	310
0745 - 0800	81	76	-	0	157	-	110	10	0	120	8	-	5	0	13	-	-	-	-	0	290
Total	400	283	0	0	683	0	416	36	0	452	31	0	22	0	53	0	0	0	0	0	1188
Approach %	58,57	41,43	0,00	0,00	-	0,00	92,04	7,96	0,00	-	58,49	0,00	41,51	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,86	0,93	0,00	0,00	**0,90**	0,00	0,91	0,90	0,00	**0,93**	0,86	0,00	0,69	0,00	**0,83**	0,00	0,00	0,00	0,00	**0,00**	**0,96**

Bikes

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
0700 - 0715	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
0715 - 0730	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
0730 - 0745	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
0745 - 0800	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
0700 - 0715	85	64	-	0	149	-	104	7	0	111	6	-	4	0	10	-	-	-	-	0	270
0715 - 0730	114	71	-	0	185	-	79	9	0	88	8	-	5	0	13	-	-	-	-	0	286
0730 - 0745	112	63	-	0	175	-	98	10	0	108	7	-	4	0	11	-	-	-	-	0	294
0745 - 0800	79	69	-	0	148	-	96	10	0	106	8	-	4	0	12	-	-	-	-	0	266
Total	390	267	0	0	657	0	377	36	0	413	29	0	17	0	46	0	0	0	0	0	1116
Approach %	59,36	40,64	0,00	0,00	-	0,00	91,28	8,72	0,00	-	63,04	0,00	36,96	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,86	0,94	0,00	0,00	**0,89**	0,00	0,91	0,90	0,00	**0,93**	0,91	0,00	0,85	0,00	**0,88**	0,00	0,00	0,00	0,00	**0,00**	**0,95**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
0700 - 0715	1	2	-	0	3	-	7	0	0	7	0	-	1	0	1	-	-	-	-	0	11
0715 - 0730	1	2	-	0	3	-	5	0	0	5	0	-	2	0	2	-	-	-	-	0	10
0730 - 0745	2	3	-	0	5	-	6	0	0	6	1	-	0	0	1	-	-	-	-	0	12
0745 - 0800	1	7	-	0	8	-	12	0	0	12	0	-	1	0	1	-	-	-	-	0	21
Total	5	14	0	0	19	0	30	0	0	30	1	0	4	0	5	0	0	0	0	0	54
Approach %	26,32	73,68	0,00	0,00	-	0,00	100,00	0,00	0,00	-	20,00	0,00	80,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,63	0,50	0,00	0,00	**0,59**	0,00	0,63	0,00	0,00	**0,63**	0,25	0,00	0,50	0,00	**0,63**	0,00	0,00	0,00	0,00	**0,00**	**0,64**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
0700 - 0715	3	0	-	0	3	-	3	0	0	3	0	-	0	0	0	-	-	-	-	0	6
0715 - 0730	1	0	-	0	1	-	3	0	0	3	0	-	1	0	1	-	-	-	-	0	5
0730 - 0745	0	2	-	0	2	-	1	0	0	1	1	-	0	0	1	-	-	-	-	0	4
0745 - 0800	1	0	-	0	1	-	2	0	0	2	0	-	0	0	0	-	-	-	-	0	3
Total	5	2	0	0	7	0	9	0	0	9	1	0	1	0	2	0	0	0	0	0	18
Approach %	71,43	28,57	0,00	0,00	-	0,00	100,00	0,00	0,00	-	50,00	0,00	50,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,42	0,25	0,00	0,00	**0,58**	0,00	0,75	0,00	0,00	**0,75**	0,25	0,00	0,25	0,00	**0,50**	0,00	0,00	0,00	0,00	**0,00**	**0,75**

Pedestrians

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	EB 4a	WB 4b			App Total	EB 4c	WB 4d			App Total	NB 4e	SB 4f			App Total					App Total	Int Total
0700 - 0715	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
0715 - 0730	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
0730 - 0745	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
0745 - 0800	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

Click here for Map

Peak Hour Turning Movement Count

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	1600 - 1800
Peak Hour	1600 - 1700

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

GA-14 Roosevelt Hwy (North)

Southbound

(1-3)	84	961	1	1046	515	(1-3)
(4-7)	2	37	0	39	12	(4-7)
(8-13)	0	14	0	14	4	(8-13)
Total	86	1012	1	1099	531	Total

0

0

S Fulton Pkwy EB On/Off-Ramp

Eastbound

(1-3)	(4-7)	(8-13)	Total
558	19	11	588
58	3	1	62
3	0	0	3
22	0	0	22
33	3	1	37
(1-3)	(4-7)	(8-13)	Total

0

0

Classes	(1-3)	(4-7)	(8-13)	Total
Volume	2067	71	30	2168
PHF				0,9329

0

0

Total	1049	1007	0	499	508	Total
(8-13)	15	15	0	11	4	(8-13)
(4-7)	40	29	0	17	12	(4-7)
(1-3)	994	963	0	471	492	(1-3)

Northbound

GA-14 Roosevelt Hwy (South)

All vehicles

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
1600 - 1615	141	140	-	0	281	-	249	24	0	273	5	-	9	0	14	-	-	-	-	0	568
1615 - 1630	119	136	-	0	255	-	285	24	0	309	6	-	10	1	17	-	-	-	-	0	581
1630 - 1645	136	119	-	0	255	-	259	15	0	274	7	-	7	2	16	-	-	-	-	0	545
1645 - 1700	103	113	-	0	216	-	219	23	1	243	4	-	11	0	15	-	-	-	-	0	474
Total	499	508	0	0	1007	0	1012	86	1	1099	22	0	37	3	62	0	0	0	0	0	2168
Approach %	49,55	50,45	0,00	0,00	-	0,00	92,08	7,83	0,09	-	35,48	0,00	59,68	4,84	-	0,00	0,00	0,00	0,00	-	
PHF	0,88	0,91	0,00	0,00	**0,90**	0,00	0,89	0,90	0,25	**0,89**	0,79	0,00	0,84	0,38	**0,91**	0,00	0,00	0,00	0,00	**0,00**	**0,93**

Bikes

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
1600 - 1615	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
1615 - 1630	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
1630 - 1645	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
1645 - 1700	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
1600 - 1615	137	137	-	0	274	-	233	22	0	255	5	-	8	0	13	-	-	-	-	0	542
1615 - 1630	109	134	-	0	243	-	273	24	0	297	6	-	9	1	16	-	-	-	-	0	556
1630 - 1645	130	113	-	0	243	-	246	15	0	261	7	-	7	2	16	-	-	-	-	0	520
1645 - 1700	95	108	-	0	203	-	209	23	1	233	4	-	9	0	13	-	-	-	-	0	449
Total	471	492	0	0	963	0	961	84	1	1046	22	0	33	3	58	0	0	0	0	0	2067
Approach %	48,91	51,09	0,00	0,00	-	0,00	91,87	8,03	0,10	-	37,93	0,00	56,90	5,17	-	0,00	0,00	0,00	0,00	-	
PHF	0,86	0,90	0,00	0,00	**0,88**	0,00	0,88	0,88	0,25	**0,88**	0,79	0,00	0,92	0,38	**0,91**	0,00	0,00	0,00	0,00	**0,00**	**0,93**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
1600 - 1615	3	3	-	0	6	-	10	2	0	12	0	-	1	0	1	-	-	-	-	0	19
1615 - 1630	5	2	-	0	7	-	8	0	0	8	0	-	1	0	1	-	-	-	-	0	16
1630 - 1645	4	3	-	0	7	-	11	0	0	11	0	-	0	0	0	-	-	-	-	0	18
1645 - 1700	5	4	-	0	9	-	8	0	0	8	0	-	1	0	1	-	-	-	-	0	18
Total	17	12	0	0	29	0	37	2	0	39	0	0	3	0	3	0	0	0	0	0	71
Approach %	58,62	41,38	0,00	0,00	-	0,00	94,87	5,13	0,00	-	0,00	0,00	100,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,85	0,75	0,00	0,00	**0,81**	0,00	0,84	0,25	0,00	**0,81**	0,00	0,00	0,75	0,00	**0,75**	0,00	0,00	0,00	0,00	**0,00**	**0,93**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	Left 4.1	Thru 4.2		U-Turn 4.3	App Total		Thru 4.4	Right 4.5	U-Turn 4.6	App Total	Left 4.7		Right 4.8	U-Turn 4.9	App Total					App Total	Int Total
1600 - 1615	1	0	-	0	1	-	6	0	0	6	0	-	0	0	0	-	-	-	-	0	7
1615 - 1630	5	0	-	0	5	-	4	0	0	4	0	-	0	0	0	-	-	-	-	0	9
1630 - 1645	2	3	-	0	5	-	2	0	0	2	0	-	0	0	0	-	-	-	-	0	7
1645 - 1700	3	1	-	0	4	-	2	0	0	2	0	-	1	0	1	-	-	-	-	0	7
Total	11	4	0	0	15	0	14	0	0	14	0	0	1	0	1	0	0	0	0	0	30
Approach %	73,33	26,67	0,00	0,00	-	0,00	100,00	0,00	0,00	-	0,00	0,00	100,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,55	0,33	0,00	0,00	**0,75**	0,00	0,58	0,00	0,00	**0,58**	0,00	0,00	0,25	0,00	**0,25**	0,00	0,00	0,00	0,00	**0,00**	**0,83**

Pedestrians

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy EB On/Off-Ramp										
Time	EB 4a	WB 4b			App Total	EB 4c	WB 4d			App Total	NB 4e	SB 4f			App Total					App Total	Int Total
1600 - 1615	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
1615 - 1630	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
1630 - 1645	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
1645 - 1700	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

Click here for Map

Peak Hour Turning Movement Count

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	0700 - 0900
Peak Hour	0730 - 0830

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

All vehicles

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
0730 - 0745	2	74	-	0	76	-	57	10	0	67	2	-	79	0	81	-	-	-	-	0	224
0745 - 0800	4	84	-	0	88	-	42	6	0	48	10	-	65	0	75	-	-	-	-	0	211
0800 - 0815	2	69	-	0	71	-	52	10	0	62	5	-	68	1	74	-	-	-	-	0	207
0815 - 0830	5	77	-	0	82	-	50	11	0	61	6	-	46	0	52	-	-	-	-	0	195
Total	13	304	0	0	317	0	201	37	0	238	23	0	258	1	282	0	0	0	0	0	837
Approach %	4,10	95,90	0,00	0,00	-	0,00	84,45	15,55	0,00	-	8,16	0,00	91,49	0,35	-	0,00	0,00	0,00	0,00	-	
PHF	0,65	0,90	0,00	0,00	**0,90**	0,00	0,88	0,84	0,00	**0,89**	0,58	0,00	0,82	0,25	**0,87**	0,00	0,00	0,00	0,00	**0,00**	**0,93**

Bikes

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
0730 - 0745	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
0745 - 0800	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
0800 - 0815	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
0815 - 0830	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
0730 - 0745	1	71	-	0	72	-	52	8	0	60	2	-	74	0	76	-	-	-	-	0	208
0745 - 0800	3	82	-	0	85	-	35	6	0	41	10	-	62	0	72	-	-	-	-	0	198
0800 - 0815	2	65	-	0	67	-	48	9	0	57	5	-	65	1	71	-	-	-	-	0	195
0815 - 0830	4	75	-	0	79	-	47	10	0	57	6	-	39	0	45	-	-	-	-	0	181
Total	10	293	0	0	303	0	182	33	0	215	23	0	240	1	264	0	0	0	0	0	782
Approach %	3,30	96,70	0,00	0,00	-	0,00	84,65	15,35	0,00	-	8,71	0,00	90,91	0,38	-	0,00	0,00	0,00	0,00	-	
PHF	0,63	0,89	0,00	0,00	**0,89**	0,00	0,88	0,83	0,00	**0,90**	0,58	0,00	0,81	0,25	**0,87**	0,00	0,00	0,00	0,00	**0,00**	**0,94**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
0730 - 0745	1	3	-	0	4	-	4	1	0	5	0	-	2	0	2	-	-	-	-	0	11
0745 - 0800	1	1	-	0	2	-	7	0	0	7	0	-	3	0	3	-	-	-	-	0	12
0800 - 0815	0	4	-	0	4	-	4	1	0	5	0	-	2	0	2	-	-	-	-	0	11
0815 - 0830	1	2	-	0	3	-	3	0	0	3	0	-	4	0	4	-	-	-	-	0	10
Total	3	10	0	0	13	0	18	2	0	20	0	0	11	0	11	0	0	0	0	0	44
Approach %	23,08	76,92	0,00	0,00	-	0,00	90,00	10,00	0,00	-	0,00	0,00	100,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,75	0,63	0,00	0,00	**0,81**	0,00	0,64	0,50	0,00	**0,71**	0,00	0,00	0,69	0,00	**0,69**	0,00	0,00	0,00	0,00	**0,00**	**0,92**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
0730 - 0745	0	0	-	0	0	-	1	1	0	2	0	-	3	0	3	-	-	-	-	0	5
0745 - 0800	0	1	-	0	1	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	1
0800 - 0815	0	0	-	0	0	-	0	0	0	0	0	-	1	0	1	-	-	-	-	0	1
0815 - 0830	0	0	-	0	0	-	0	1	0	1	0	-	3	0	3	-	-	-	-	0	4
Total	0	1	0	0	1	0	1	2	0	3	0	0	7	0	7	0	0	0	0	0	11
Approach %	0,00	100,00	0,00	0,00	-	0,00	33,33	66,67	0,00	-	0,00	0,00	100,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,00	0,25	0,00	0,00	**0,25**	0,00	0,25	0,50	0,00	**0,38**	0,00	0,00	0,58	0,00	**0,58**	0,00	0,00	0,00	0,00	**0,00**	**0,55**

Pedestrians

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	EB 5a	WB 5b			App Total	EB 5c	WB 5d			App Total	NB 5e	SB 5f			App Total					App Total	Int Total
0730 - 0745	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
0745 - 0800	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
0800 - 0815	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
0815 - 0830	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

Click here for Map

Peak Hour Turning Movement Count

Union City, GA

Marr Traffic DATA COLLECTION

www.marrtraffic.com

Thursday, March 18, 2021	
Period	1600 - 1800
Peak Hour	1630 - 1730

Session Parameters

(Drop Down Menu)

Peak Hour

Volume

All vehicles

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
1630 - 1645	6	113	-	0	119	-	166	25	0	191	16	-	130	0	146	-	-	-	-	0	456
1645 - 1700	6	116	-	0	122	-	160	12	0	172	17	-	102	0	119	-	-	-	-	0	413
1700 - 1715	3	114	-	0	117	-	155	42	0	197	10	-	123	0	133	-	-	-	-	0	447
1715 - 1730	3	132	-	1	136	-	159	32	0	191	15	-	143	0	158	-	-	-	-	0	485
Total	18	475	0	1	494	0	640	111	0	751	58	0	498	0	556	0	0	0	0	0	1801
Approach %	3,64	96,15	0,00	0,20	-	0,00	85,22	14,78	0,00	-	10,43	0,00	89,57	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,75	0,90	0,00	0,25	**0,91**	0,00	0,96	0,66	0,00	**0,95**	0,85	0,00	0,87	0,00	**0,88**	0,00	0,00	0,00	0,00	**0,00**	**0,93**

Bikes

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
1630 - 1645	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
1645 - 1700	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
1700 - 1715	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
1715 - 1730	0	0	-	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

Passenger Vehicles (1-3)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
1630 - 1645	5	112	-	0	117	-	155	24	0	179	15	-	126	0	141	-	-	-	-	0	437
1645 - 1700	4	114	-	0	118	-	151	11	0	162	16	-	98	0	114	-	-	-	-	0	394
1700 - 1715	3	113	-	0	116	-	145	40	0	185	9	-	121	0	130	-	-	-	-	0	431
1715 - 1730	2	129	-	1	132	-	152	32	0	184	14	-	141	0	155	-	-	-	-	0	471
Total	14	468	0	1	483	0	603	107	0	710	54	0	486	0	540	0	0	0	0	0	1733
Approach %	2,90	96,89	0,00	0,21	-	0,00	84,93	15,07	0,00	-	10,00	0,00	90,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,70	0,91	0,00	0,25	**0,91**	0,00	0,97	0,67	0,00	**0,96**	0,84	0,00	0,86	0,00	**0,87**	0,00	0,00	0,00	0,00	**0,00**	**0,92**

Single Unit Trucks (4-7)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
1630 - 1645	1	1	-	0	2	-	10	1	0	11	1	-	3	0	4	-	-	-	-	0	17
1645 - 1700	2	2	-	0	4	-	5	0	0	5	1	-	3	0	4	-	-	-	-	0	13
1700 - 1715	0	0	-	0	0	-	10	0	0	10	0	-	1	0	1	-	-	-	-	0	11
1715 - 1730	1	1	-	0	2	-	6	0	0	6	1	-	0	0	1	-	-	-	-	0	9
Total	4	4	0	0	8	0	31	1	0	32	3	0	7	0	10	0	0	0	0	0	50
Approach %	50,00	50,00	0,00	0,00	-	0,00	96,88	3,13	0,00	-	30,00	0,00	70,00	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,50	0,50	0,00	0,00	**0,50**	0,00	0,78	0,25	0,00	**0,73**	0,75	0,00	0,58	0,00	**0,63**	0,00	0,00	0,00	0,00	**0,00**	**0,74**

Combination Trucks (8-13)

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	Left 5.1	Thru 5.2		U-Turn 5.3	App Total		Thru 5.4	Right 5.5	U-Turn 5.6	App Total	Left 5.7		Right 5.8	U-Turn 5.9	App Total					App Total	Int Total
1630 - 1645	0	0	-	0	0	-	1	0	0	1	0	-	1	0	1	-	-	-	-	0	2
1645 - 1700	0	0	-	0	0	-	4	1	0	5	0	-	1	0	1	-	-	-	-	0	6
1700 - 1715	0	1	-	0	1	-	0	2	0	2	1	-	1	0	2	-	-	-	-	0	5
1715 - 1730	0	2	-	0	2	-	1	0	0	1	0	-	2	0	2	-	-	-	-	0	5
Total	0	3	0	0	3	0	6	3	0	9	1	0	5	0	6	0	0	0	0	0	18
Approach %	0,00	100,00	0,00	0,00	-	0,00	66,67	33,33	0,00	-	16,67	0,00	83,33	0,00	-	0,00	0,00	0,00	0,00	-	
PHF	0,00	0,38	0,00	0,00	**0,38**	0,00	0,38	0,38	0,00	**0,45**	0,25	0,00	0,63	0,00	**0,75**	0,00	0,00	0,00	0,00	**0,00**	**0,75**

Pedestrians

	Northbound					Southbound					Eastbound										
	GA-14 Roosevelt Hwy (South)					GA-14 Roosevelt Hwy (North)					S Fulton Pkwy WB On/Off-Ramp										
Time	EB 5a	WB 5b			App Total	EB 5c	WB 5d			App Total	NB 5e	SB 5f			App Total					App Total	Int Total
1630 - 1645	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
1645 - 1700	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
1700 - 1715	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
1715 - 1730	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	-	-	-	-	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0,00	-	
PHF	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**	0,00	0,00	0,00	0,00	**0,00**	**0,00**

APPENDIX G

Site Photo Log

Kimley»Horn

Union City Commerce Center DRI

Photograph Sheet

KHA Job No.: 013805000
Date: April 2021
Page: 1 of 5

Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29)

Photo No. 1

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) northbound approach looking north

Photo No. 2

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) northbound approach looking north

Kimley»Horn

Union City Commerce Center DRI

Photograph Sheet

KHA Job No.: 013805000
Date: April 2021
Page: 2 of 5

Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29)

Photo No. 3

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) northbound approach looking west

Photo No. 4

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) northbound approach looking east

Kimley»Horn

Union City Commerce Center DRI

Photograph Sheet

KHA Job No.: 013805000
Date: April 2021
Page: 3 of 5

Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29)

Photo No. 5

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) southbound approach looking south

Photo No. 6

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) southbound approach looking south

Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29)

Photo No. 7

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) southbound approach looking east

Photo No. 8

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) southbound approach looking southwest

Kimley»Horn

Union City Commerce Center DRI

Photograph Sheet

KHA Job No.: 013805000
Date: April 2021
Page: 5 of 5

Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29)

Photo No. 7

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) southbound approach looking north

Photo No. 8

Comments: Intersection 2: Stonewall Tell Road at Roosevelt Highway (SR 14/US 29) westbound approach looking west