

TRAFFIC IMPACT ANALYSIS

AURA DELRAY BEACH DELRAY BEACH, FL

PREPARED FOR:
TRINSIC RESIDENTIAL GROUP

Kimley»Horn

Project # 140734000
March 17, 2020
Revised April 16, 2020
Revised June 8, 2020
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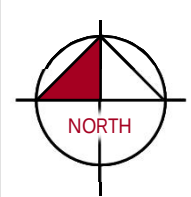
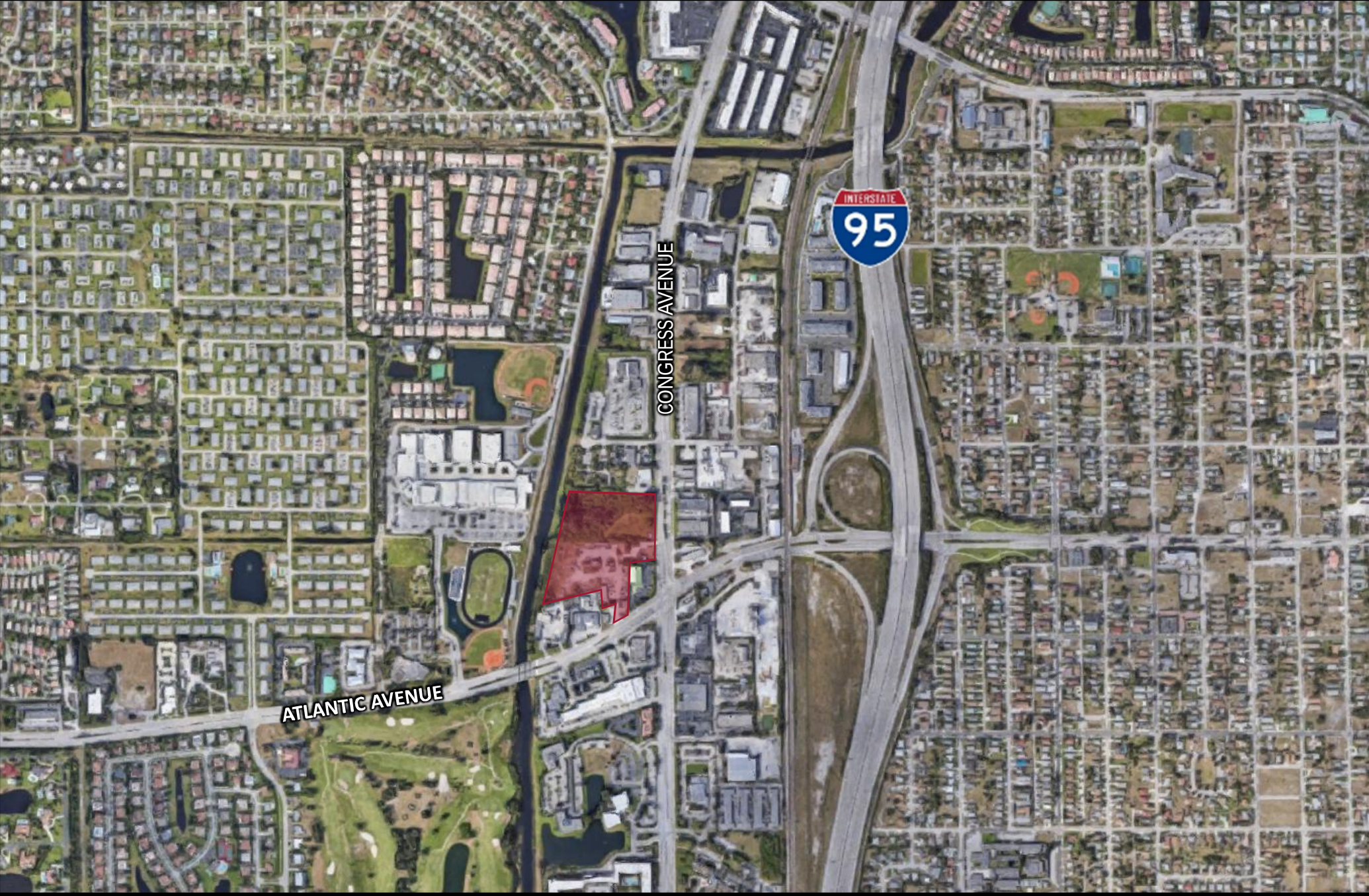
Introduction

Kimley-Horn and Associates, Inc. has performed a traffic impact analysis to evaluate future traffic conditions following the proposed development at 40 North Congress Avenue in Delray Beach, Florida. Figure 1 illustrates the location of the project site. The Parcel Control Numbers (PCNs) for the project site are the following:

- 12-43-46-18-00-000-5111
- 12-43-46-18-00-000-5101
- 12-43-46-18-00-000-5100
- 12-43-46-18-00-000-5090
- 12-43-46-18-00-000-5122
- 12-43-46-18-00-000-5120
- 12-43-46-18-00-000-1190
- 12-43-46-18-00-000-5110

The proposed site plan and PCN summary are included in *Appendix A*.

The purpose of this study is to evaluate the impacts of the proposed development on the surrounding roadway network and determine if adequate capacity is available to accommodate future traffic volumes using the criteria defined in *Article 12* of the *Palm Beach County Unified Land Development Code (ULDC)* for buildout in 2025. This report summarizes the data collection, project trip generation, project trip distribution, and link analysis.



LEGEND

 Site

FIGURE 1
PROJECT SITE LOCATION
AURA DELRAY BEACH
Kimley»Horn

Inventory and Planning Data

Data for the following items were provided by the Palm Beach County Traffic Division:

- Peak hour turning movement counts
- Historical growth rate information
- Committed development traffic data (from the County TPS database)

Turning movement counts are included in *Appendix B*, growth rate calculation is included in *Appendix C*, and TPS database sheets are included in *Appendix D*.

Project Traffic

Project traffic used in this analysis is defined as the vehicle trips expected to be generated by the project and the distribution and assignment of that traffic over the study roadway network.

Existing and Proposed Land Uses

The project site currently contains light industrial use. The proposed plan of development includes multifamily mid-rise dwelling units and a coffee shop with drive through.

Trip Generation

The trip generation potential of the redevelopment was calculated based upon the trip generation rates and equations published by the Palm Beach County Traffic Division. As shown in Table 1, the proposed development is projected to generate 2,383 net new external daily trips, 190 net new external AM peak-hour trips (68 in, 122 out), and 167 net new external PM peak-hour trips (99 in, 68 out). Based on the impact analysis guidelines established in *Article 12* of the *Palm Beach County ULDC*, it was determined that the radius of development influence is two miles for Test 1 and Test 2 analyses.

Table 1: Trip Generation

Land Use	Intensity	Daily Trips	AM Peak Hour			PM Peak Hour		
			Total	In	Out	Total	In	Out
Existing Scenario >5 Years								
Light Industrial	9.44 KSF	47	7	6	1	6	1	5
	Subtotal	47	7	6	1	6	1	5
Pass-By Capture								
Light Industrial	10.0%	5	1	1	0	1	0	1
	Subtotal	5	1	1	0	1	0	1
Driveway Volumes		47	7	6	1	6	1	5
Net New External Trips		42	6	5	1	5	1	4
Proposed Scenario								
Multifamily Mid-Rise	292 DU	1,588	105	27	78	128	78	50
Coffee/Donut Shop +DT	2 KSF	1,641	178	91	87	87	44	43
	Subtotal	3,229	283	118	165	215	122	93
Pass-By Capture								
Multifamily Mid-Rise	0.0%	0	0	0	0	0	0	0
Coffee/Donut Shop +DT	49.0%	804	87	45	42	43	22	21
	Subtotal	804	87	45	42	43	22	21
Driveway Volumes		3,229	283	118	165	215	122	93
Net New External Trips		2,425	196	73	123	172	100	72
Proposed Net External Trips-Existing Net New External Trips		2,383	190	68	122	167	99	68
Radius of Development Influence:		2 miles						
Land Use	Daily	AM Peak Hour			PM Peak Hour		Pass By	
Light Industrial	4.96 trips/1,000 sf	0.7 trips/1,000 sf(88% in, 12% out)			0.63 trips/1,000 sf(13% in, 87% out)		10%	
Multifamily Mid-Rise	5.44 trips/DU	0.36 trips/DU (26% in, 74% out)			0.44 trips/DU (61% in, 39% out)		0%	
Coffee/Donut Shop +DT	820.38 trips/1,000 sf	88.99 trips/1,000 sf (51% in, 49% out)			43.38 trips/1,000 sf (50% in, 50% out)		49%	

Traffic Distribution

Traffic distribution is the pairing of trip ends from the subject site with other land uses in the area. These trips were assigned to the surrounding roadways based upon a review of the roadway network proposed to be in place at the time of buildout and its travel time characteristics.

The distribution according to cardinal directions for the residential portion is:

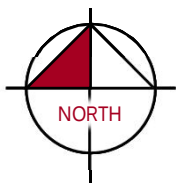
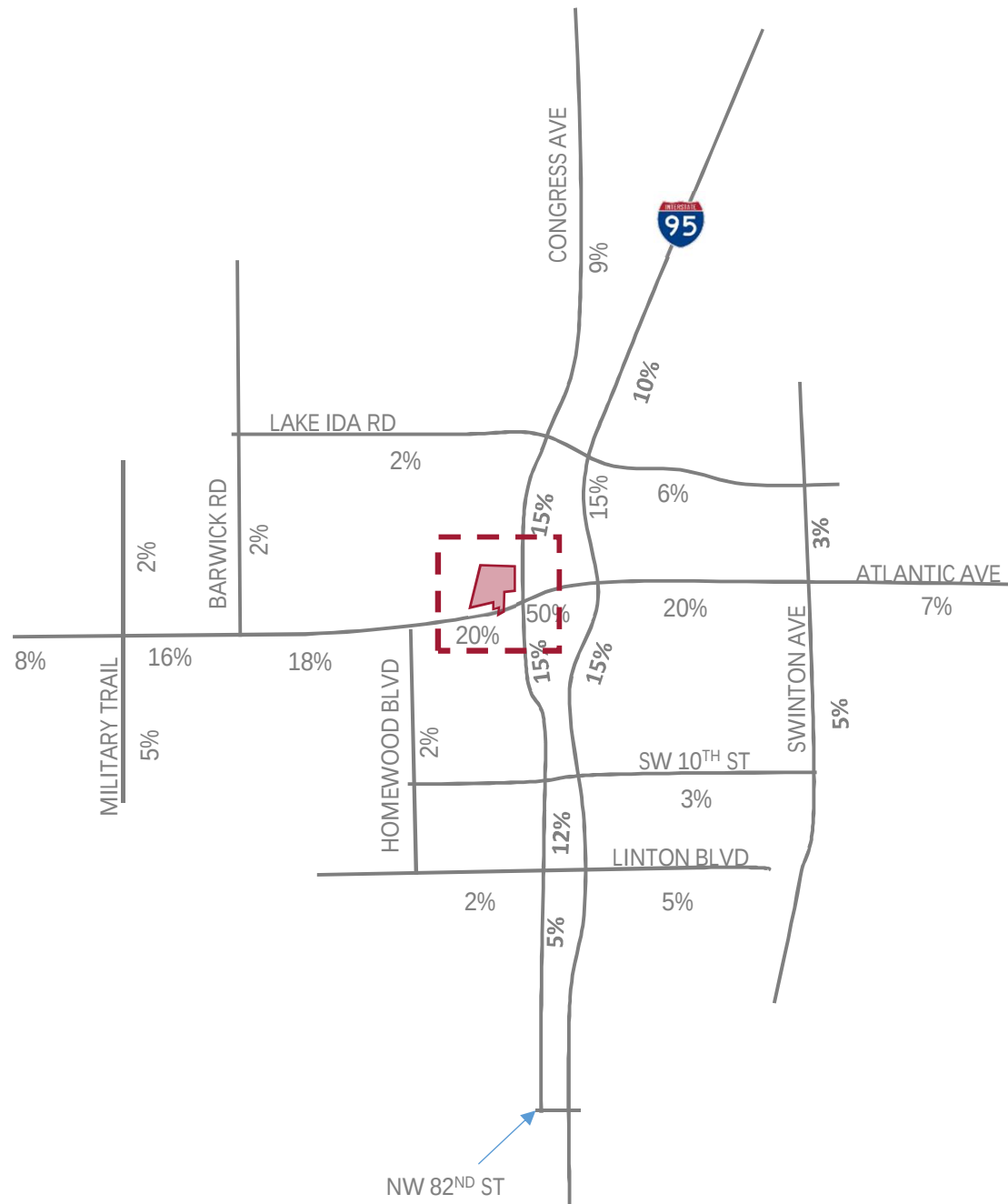
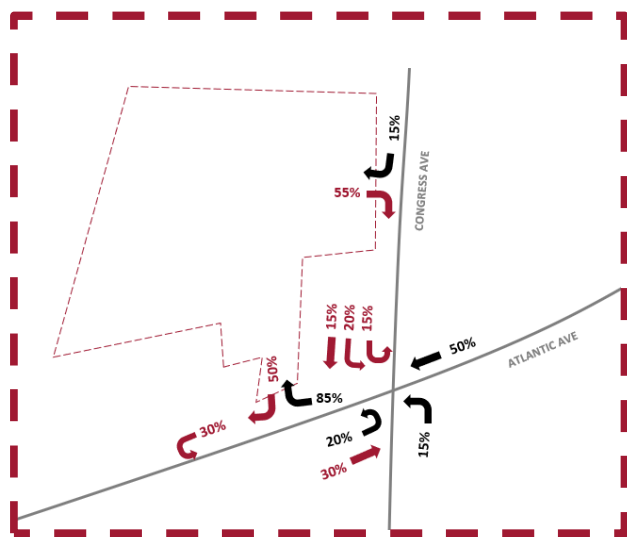
NORTH	-	30 percent
SOUTH	-	25 percent
EAST		30 percent
WEST		15 percent

The distribution according to cardinal directions for the retail portion is:

NORTH	-	50 percent
SOUTH	-	15 percent
EAST		20 percent
WEST		15 percent

Traffic Assignment

The site traffic was assigned to the surrounding roadway network based upon existing travel patterns and the traffic distribution. Figure 2 illustrates the roadway link assignment for the residential portion of the site and Figure 3 illustrates the roadway link assignment for the commercial portion of the site. The AM and PM peak hour trips for the project were then assigned to the surrounding roadway network projected to be in place by 2025.

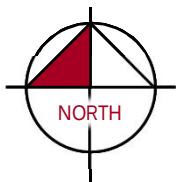
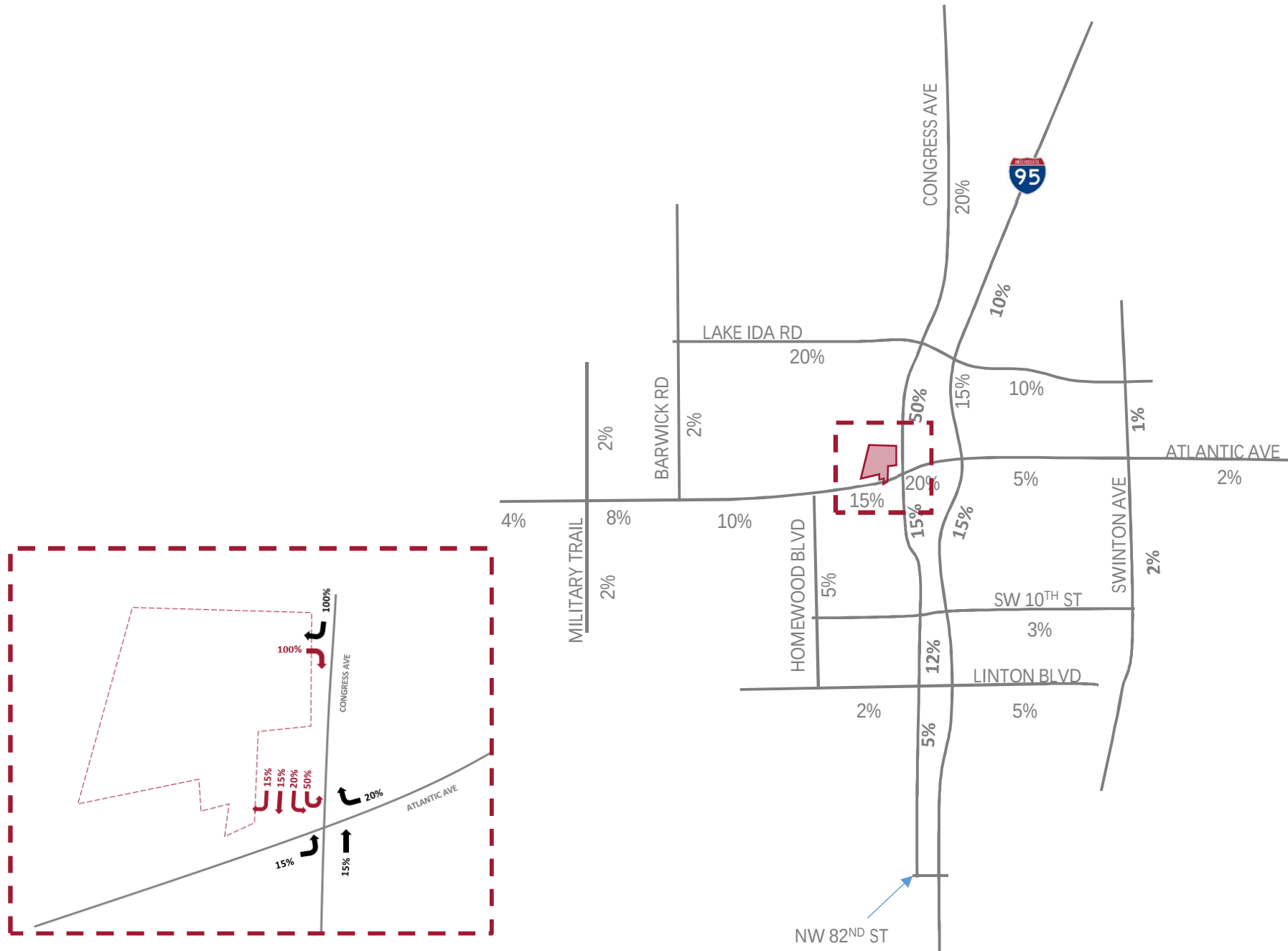


LEGEND



Site

FIGURE 2
PROJECT SITE ASSIGNMENT RESIDENTIAL
AURA DELRAY BEACH



LEGEND



FIGURE 3
PROJECT SITE ASSIGNMENT COMMERCIAL
AURA DELRAY BEACH

Roadway Improvements

A review was conducted of the Five-Year Plans of Palm Beach County and the FDOT, as well as those improvements committed by the developers of projects in the area. No major projects were identified for roadways within the study area.

Test 1 Significance Analysis

A peak hour peak-directional (PHPD) analysis was undertaken on the links included in the Palm Beach County Thoroughfare Map within the two-mile radius of development influence to determine the significantly impacted links. Net new external project traffic was assigned to all the thoroughfare roadway links within the radius of development influence. Per Palm Beach County standards, all the links on which the project impact is greater than 1% of the level of service (LOS) D generalized service volume are considered significantly impacted links.

The roadway segments anticipated to be significantly impacted during the AM and PM peak hours are shown in Tables 2a and 2b, respectively; therefore, the identified significantly impacted roadway segments require further analysis.

Table 2a: Test 1 Significance (AM Peak Hour)

ROADWAY	FROM	TO	COMMITTED NUMBER OF LANES	LOS D GEN. SVC. VOLUME	PROJECT TRIPS			AM PEAK HOUR					
					RESIDENTIAL % ASSIGNMENT	COMMERCIAL % ASSIGNMENT	NB/EB IN/OUT?	TRIPS		% IMPACT			
								NB/EB	SB/WB	NB/EB	Sig?	SB/WB	Sig?
Atlantic Ave	Sims Road	Military Trail	6LD	2,680	8%	4%	i	4	8	0.15%	No	0.30%	No
Atlantic Ave	Military Trail	Barwick Road	6LD	2,680	16%	8%	i	8	16	0.30%	No	0.60%	No
Atlantic Ave	Barwick Road	Homewood Blvd	6LD	2,680	18%	10%	i	10	19	0.37%	No	0.71%	No
Atlantic Ave	Homewood Blvd	Project Driveway	6LD	2,680	In: EB 20% - Out: WB 50%	15%	i	12	46	0.45%	No	1.72%	Yes
Atlantic Ave	Project Driveway	Congress Ave	6LD	2,680	In: EB 20%, WB 85% - Out: EB 30%	20%	i	38	32	1.42%	Yes	1.19%	Yes
Atlantic Ave	Congress Ave	Interstate 95	6LD	2,680	50%	5%	o	41	16	1.53%	Yes	0.60%	No
Atlantic Ave	Interstate 95	Swinton Ave	4LD	1,770	20%	5%	o	18	7	1.02%	Yes	0.40%	No
Atlantic Ave	Swinton Ave	Ocean Blvd	4LD	1,770	7%	2%	o	6	3	0.34%	No	0.17%	No
Congress Ave	NW 82nd St	Linton Blvd	6LD	2,940	5%	5%	i	3	6	0.10%	No	0.20%	No
Congress Ave	Linton Blvd	SW 10th St	6LD	2,680	12%	12%	i	9	14	0.34%	No	0.52%	No
Congress Ave	SW 10th St	Atlantic Ave	6LD	2,680	15%	15%	i	11	19	0.41%	No	0.71%	No
Congress Ave	Atlantic Ave	Project Driveway	6LD	2,680	Out: NB 15%, SB 50%	In: NB 50% - Out: NB 50%, SB 100%		57	84	2.13%	Yes	3.13%	Yes
Congress Ave	Project Driveway	Lake Ida Road	6LD	2,680	In: SB 15% - Out: NB 15%	In: NB 50%, SB 100% - Out: NB 50%		57	50	2.13%	Yes	1.87%	Yes
Congress Ave	Lake Ida Road	Golf Road	6LD	2,680	9%	9%	o	11	6	0.41%	No	0.22%	No
Military Trail	Linton Blvd	Atlantic Ave	6LD	2,680	5%	2%	i	2	5	0.07%	No	0.19%	No
Military Trail	Atlantic Ave	Lake Ida Road	6LD	2,680	2%	2%	o	3	2	0.11%	No	0.07%	No
Barwick Road	Atlantic Ave	Lake Ida Rd	2L	880	2%	2%	o	3	2	0.34%	No	0.23%	No
Homewood Blvd	Linton Blvd	Atlantic Ave	2L	880	2%	5%	i	3	4	0.34%	No	0.45%	No
Swinton Ave	Linton Blvd	Atlantic Ave	2L	880	5%	5%	i	3	6	0.34%	No	0.68%	No
Swinton Ave	Atlantic Ave	Lake Ida Rd	2L	880	3%	3%	o	3	2	0.34%	No	0.23%	No
Interstate 95	Linton Blvd	Atlantic Ave	4LX	7,420	15%	15%	i	11	19	0.15%	No	0.26%	No
Interstate 95	Atlantic Ave	Woolbright Rd	4LX	7,420	15%	15%	o	19	11	0.26%	No	0.15%	No
Linton Blvd	Homewood Blvd	Congress Ave	6LD	2,680	2%	2%	i	2	3	0.07%	No	0.11%	No
Linton Blvd	Congress Ave	Swinton Ave	6LD	2,680	5%	5%	o	6	3	0.22%	No	0.11%	No
SW 10th Street	Homewood Blvd	Congress Ave	2L	880	0%	0%	i	0	0	0.00%	No	0.00%	No
SW 10th Street	Congress Ave	Swinton Ave	2L	880	3%	3%	o	3	2	0.34%	No	0.23%	No
Lake Ida Road	Barwick Rd	Congress Ave	4LD	1,770	2%	20%	i	10	11	0.56%	No	0.62%	No
Lake Ida Road	Congress Ave	Swinton Ave	4LD	1,770	6%	10%	o	10	7	0.56%	No	0.40%	No

Table 2b: Test 1 Significance (PM Peak Hour)

ROADWAY	FROM	TO	COMMITTED NUMBER OF LANES	LOS D GEN. SVC. VOLUME	PROJECT TRIPS			PM PEAK HOUR					
					RESIDENTIAL % ASSIGNMENT	COMMERCIAL % ASSIGNMENT	NB/EB IN/OUT?	TRIPS		% IMPACT			
								NB/EB	SB/WB	NB/EB	Sig?	SB/WB	Sig?
Atlantic Ave	Sims Road	Military Trail	6LD	2,680	8%	4%	i	7	5	0.26%	No	0.19%	No
Atlantic Ave	Military Trail	Barwick Road	6LD	2,680	16%	8%	i	14	10	0.52%	No	0.37%	No
Atlantic Ave	Barwick Road	Homewood Blvd	6LD	2,680	18%	10%	i	16	11	0.60%	No	0.41%	No
Atlantic Ave	Homewood Blvd	Project Driveway	6LD	2,680	In: EB 20% - Out: WB 50%	15%	i	19	28	0.71%	No	1.04%	Yes
Atlantic Ave	Project Driveway	Congress Ave	6LD	2,680	In: EB 20%, WB 85% - Out: EB 30%	20%	i	35	70	1.31%	Yes	2.61%	Yes
Atlantic Ave	Congress Ave	Interstate 95	6LD	2,680	50%	5%	o	26	40	0.97%	No	1.49%	Yes
Atlantic Ave	Interstate 95	Swinton Ave	4LD	1,770	20%	5%	o	11	17	0.62%	No	0.96%	No
Atlantic Ave	Swinton Ave	Ocean Blvd	4LD	1,770	7%	2%	o	4	5	0.23%	No	0.28%	No
Congress Ave	NW 82nd St	Linton Blvd	6LD	2,940	5%	5%	i	5	4	0.17%	No	0.14%	No
Congress Ave	Linton Blvd	SW 10th St	6LD	2,680	12%	12%	i	12	9	0.45%	No	0.34%	No
Congress Ave	SW 10th St	Atlantic Ave	6LD	2,680	15%	15%	i	15	11	0.56%	No	0.41%	No
Congress Ave	Atlantic Ave	Project Driveway	6LD	2,680	Out: NB 15%, SB 50%	In: NB 50% - Out: NB 50%, SB 100%		30	47	1.12%	Yes	1.75%	Yes
Congress Ave	Project Driveway	Lake Ida Road	6LD	2,680	In: SB 15% - Out: NB 15%	In: NB 50%, SB 100% - Out: NB 50%		30	34	1.12%	Yes	1.27%	Yes
Congress Ave	Project Driveway	Golf Road	6LD	2,680	9%	9%	o	7	9	0.26%	No	0.34%	No
Military Trail	Linton Blvd	Atlantic Ave	6LD	2,680	5%	2%	i	4	3	0.15%	No	0.11%	No
Military Trail	Atlantic Ave	Lake Ida Road	6LD	2,680	2%	2%	o	1	2	0.04%	No	0.07%	No
Barwick Road	Atlantic Ave	Lake Ida Rd	2L	880	2%	2%	o	1	2	0.11%	No	0.23%	No
Homewood Blvd	Linton Blvd	Atlantic Ave	2L	880	2%	5%	i	3	2	0.34%	No	0.23%	No
Swinton Ave	Linton Blvd	Atlantic Ave	2L	880	5%	5%	i	5	4	0.57%	No	0.45%	No
Swinton Ave	Atlantic Ave	Lake Ida Rd	2L	880	3%	3%	o	3	3	0.34%	No	0.34%	No
Interstate 95	Linton Blvd	Atlantic Ave	4LX	7,420	15%	15%	i	15	11	0.20%	No	0.15%	No
Interstate 95	Atlantic Ave	Woolbright Rd	4LX	7,420	15%	15%	o	11	15	0.15%	No	0.20%	No
Linton Blvd	Homewood Blvd	Congress Ave	6LD	2,680	2%	2%	i	2	1	0.07%	No	0.04%	No
Linton Blvd	Congress Ave	Swinton Ave	6LD	2,680	5%	5%	o	4	5	0.15%	No	0.19%	No
SW 10th Street	Homewood Blvd	Congress Ave	2L	880	0%	0%	i	0	0	0.00%	No	0.00%	No
SW 10th Street	Congress Ave	Swinton Ave	2L	880	3%	3%	o	3	3	0.34%	No	0.34%	No
Lake Ida Road	Barwick Rd	Congress Ave	4LD	1,770	2%	20%	i	6	5	0.34%	No	0.28%	No
Lake Ida Road	Congress Ave	Swinton Ave	4LD	1,770	6%	10%	o	5	7	0.28%	No	0.40%	No

Background Traffic

Background traffic is calculated from historical annual growth rates and/or traffic from the unbuilt portions of committed developments. For this study, an areawide growth rate was calculated as 0.60%, therefore, 1.0% was applied to links and intersections to account for background growth not related to the approved projects. Growth rate calculations are included in *Appendix C*. The Palm Beach County Traffic Division maintains a database containing anticipated traffic volumes associated with committed development projects in the area. The impacts of the approved projects were added to links and intersections that were subject to analysis. Peak hour committed development traffic as reported in the TPS database is summarized in *Appendix D*.

A nominal 1% growth rate was applied to links and intersections (to which committed project traffic was already added) to account for background growth not related to the approved projects. The total background traffic for each significantly impacted link and intersection was then determined as the greater of the following:

- Existing traffic volumes plus traffic volume growth due to historical growth rate of 1.0%
- Existing traffic volumes plus growth due to committed projects and a nominal 1.0% background growth rate

Test 1 Part 1 Intersection Analysis

As determined in the previous section, some roadway segments were significantly impacted during the AM and PM peak hour conditions and require further analysis. Intersection analyses are also required at the first significantly impacted major intersection in either direction from the site access point.

An analysis was undertaken for intersections nearest to each link directly accessed and significantly impacted by the project. The intersections were analyzed using the Critical Sum planning methodology as outlined in the 1985 Highway Capacity Manual (HCM). The following intersections are the nearest major significantly impacted intersections:

- W Atlantic Avenue & Congress Avenue
- W Atlantic Avenue & Homewood Boulevard
- Congress Avenue & Lake Ida Road

As indicated in Table 2a and Table 2b, the links approaching and departing the intersections are significantly impacted; therefore, the analysis of the intersection is required for the Test 1 analysis procedures defined in Article 12 of the Palm Beach County ULDC.

W Atlantic Avenue & Congress Avenue

The critical movement analysis shows that the critical sum for the intersection of W Atlantic Avenue & Congress Avenue will exceed the 1,400 vehicles per hour threshold during background conditions without project traffic during the PM peak hour and will require the following improvement in order for the intersection to operate below the critical movement threshold of 1,400 under future background conditions:

- Addition of a third westbound through lane

With the construction of an additional westbound through lane at the intersection of W Atlantic Avenue & Congress Avenue, the critical sum at the intersection will be less than the critical movement threshold under future background conditions during the peak hours and will also provide sufficient capacity for the proposed future with project traffic. Therefore, the project is not required to a proportionate share agreement because this is a “backlogged facility” per the Community Planning Act of 2011, otherwise known as Florida House Bill 7207 (HB 7207). The improvements to roadways and intersections that are identified to be needed for acceptable operations in the future background conditions (without project trips) may be assumed in the ‘Background with Improvements’ scenario and are not the responsibility of the applicant.

W Atlantic Avenue & Homewood Boulevard

The critical movement analysis shows that the critical sum for the intersection of W Atlantic Avenue & Homewood Boulevard will not exceed the 1,400 vehicles per hour threshold during future total conditions with project traffic. The critical sum for the AM peak hour is 1,110 vehicles and the PM peak hour is 1,141

vehicles. Therefore, no mitigations will be required at the intersection of W Atlantic Avenue & Homewood Boulevard.

Congress Avenue & Lake Ida Road

The critical movement analysis shows that the critical sum for the intersection of Congress Avenue & Lake Ida Road will exceed the 1,400 vehicles per hour threshold during background conditions without project traffic during the PM peak hour and will require the following improvement in order for the intersection to operate below the critical movement threshold of 1,400 under future background conditions:

- Addition of a second eastbound left turn lane

With the construction of an additional westbound through lane at the intersection of Congress Avenue & Lake Ida Road, the critical sum at the intersection will be less than the critical movement threshold under future background conditions during the peak hours and will also provide sufficient capacity for the proposed future with project traffic. Therefore, the project is not required to a proportionate share agreement because this is a “backlogged facility” per the Community Planning Act of 2011, otherwise known as Florida House Bill 7207 (HB 7207). The improvements to roadways and intersections that are identified to be needed for acceptable operations in the future background conditions (without project trips) may be assumed in the ‘Background with Improvements’ scenario and are not the responsibility of the applicant.

The critical movement analyses for the intersections are included in *Appendix F*.

Test 1 Part 2 Roadway Link Analysis

The future traffic volume on each significantly impacted roadway segment was analyzed in comparison to its LOS D service volume. Tables 3a and 3b detail these calculations for the AM and PM peak hours, respectively. As seen in Tables 3a and 3b, the significantly impacted roadway segments are projected to operate acceptably during the AM and PM peak hours through 2025.

Table 3a: Test 1 Capacity Analysis (AM Peak Hour)

Roadway	From	To	Existing		Direction	Significantly Impacted?	Traffic Volume	Volume Year	Committed Traffic - Option #1			Committed Traffic - Option #2			Utilized (Maximum) Committed Traffic	Project Traffic	2025 Total Traffic	Meets Standard ??
			Lanes	Facility Type	LOS D Service Volume				Committed Traffic (from TPS)	1.0% Traffic Growth	Committed plus 1.0%	Historic Growth Rate (from TPS)	Max Historic Growth or 1%	Max Historic Growth				
Atlantic Ave	Homewood Blvd	Project Driveway	6LD	Class II	2680	NB/EB	No	-	-	-	109	-	-	-	-	-	-	-
			6LD	Class II	2680	SB/WB	Yes	1256	32	77	109	1.00%	1.00%	77	109	46	1411	Yes
Atlantic Ave	Project Driveway	Congress Ave	6LD	Class II	2680	NB/EB	Yes	1751	32	108	140	1.00%	1.00%	108	140	38	1929	Yes
			6LD	Class II	2680	SB/WB	Yes	1256	32	77	109	1.00%	1.00%	77	109	32	1397	Yes
Atlantic Ave	Congress Ave	Interstate 95	6LD	Class II	2680	NB/EB	Yes	1619	99	152	251	1.00%	1.00%	152	251	41	1911	Yes
			6LD	Class II	2680	SB/WB	No	-	-	-	-	-	-	-	-	-	-	-
Atlantic Ave	Interstate 95	Swinton Ave	4LD	Class II	1770	NB/EB	Yes	884	261	83	344	1.00%	1.00%	83	344	18	1246	Yes
			4LD	Class II	1770	SB/WB	No	-	-	-	-	-	-	-	-	-	-	-
Congress Ave	Atlantic Ave	Project Driveway	6LD	Class I	2940	NB/EB	Yes	1017	80	63	143	1.00%	1.00%	63	143	57	1217	Yes
			6LD	Class I	2940	SB/WB	Yes	1639	65	101	166	1.00%	1.00%	101	166	84	1889	Yes
Congress Ave	Project Driveway	Lake Ida Road	6LD	Class I	2940	NB/EB	Yes	1017	80	63	143	1.00%	1.00%	63	143	57	1217	Yes
			6LD	Class I	2940	SB/WB	Yes	1639	65	101	166	1.00%	1.00%	101	166	50	1855	Yes

Table 3b: Test 1 Capacity Analysis (PM Peak Hour)

Roadway		From	To	Existing		Direction	Significantly Impacted?	Traffic Volume	Volume Year	Committed Traffic - Option #1				Committed Traffic - Option #2			Utilized (Maximum) Committed Traffic	Project Traffic	2025 Total Traffic	Meets Standard ??
				Lanes	Facility Type					LOS D Service Volume	Committed Traffic (from TPS)	1.0% Traffic Growth	Committed plus 1.0%	Historic Growth Rate (from TPS)	Max Historic Growth or 1%	Max Historic Growth				
Atlantic Ave	Homewood Blvd	Project Driveway	6LD	Class II	2680	NB/EB	No	-	2019	115	97	212	-	-	-	-	-	-	-	
			6LD	Class II	2680	SB/WB	Yes	1582	2019	97	89	186	1.00%	1.00%	97	212	28	1822	Yes	
	Atlantic Ave	Project Driveway	6LD	Class II	2680	NB/EB	Yes	1445	2019	97	89	186	1.00%	1.00%	89	186	35	1666	Yes	
Atlantic Ave		Congress Ave	6LD	Class II	2680	SB/WB	Yes	1582	2019	115	97	212	1.00%	1.00%	97	212	70	1864	Yes	
	Atlantic Ave	Interstate 95	6LD	Class II	2680	NB/EB	No	-	-	-	-	-	-	-	-	-	-	-	-	
			6LD	Class II	2680	SB/WB	Yes	1664	2016	128	156	284	1.00%	1.00%	156	284	40	1988	Yes	
Congress Ave	Atlantic Ave	Project Driveway	6LD	Class I	2940	NB/EB	Yes	1668	2019	115	103	218	1.00%	1.00%	103	218	30	1916	Yes	
			6LD	Class I	2940	SB/WB	Yes	1378	2019	117	85	202	1.00%	1.00%	85	202	47	1627	Yes	
Congress Ave		Lake Ida Road	6LD	Class I	2940	NB/EB	Yes	1668	2019	115	103	218	1.00%	1.00%	103	218	30	1916	Yes	
	Project Driveway		6LD	Class I	2940	SB/WB	Yes	1378	2019	117	85	202	1.00%	1.00%	85	202	34	1614	Yes	
			6LD	Class I	2940															

Test 2 Significance Analysis

The trips generated by the proposed project were assigned to the roadway network as part of Test 1. These volumes were then compared to the LOS E thresholds for roadways in the two-mile radius of development impact and compared against a three percent significance threshold. Per Palm Beach County standards, all the links on which the project traffic impact is greater than three percent of the level of service (LOS) E generalized service volume are considered significantly impacted links.

As shown in Table 4a and Table 4b, no roadway segments are anticipated to be significantly impacted under Test 2 analyses.

Table 4a: Test 2 Significance Analysis (AM Peak Hour)

ROADWAY	FROM	TO	COMMITTED NUMBER OF LANES	LOS E GEN. SVC. VOLUME	RESIDENTIAL % ASSIGNMENT	COMMERCIAL % ASSIGNMENT	NB/EB IN/OUT?	PROJECT TRIPS					
								AM PEAK HOUR			% IMPACT		
								TRIPS		NB/EB	Sig?	SB/WB	Sig?
								NB/EB	SB/WB				
Atlantic Ave	Sims Road	Military Trail	6LD	2,830	8%	4%	i	4	8	0.14%	No	0.28%	No
Atlantic Ave	Military Trail	Barwick Road	6LD	2,830	16%	8%	i	8	16	0.28%	No	0.57%	No
Atlantic Ave	Barwick Road	Homewood Blvd	6LD	2,830	18%	10%	i	10	19	0.35%	No	0.67%	No
Atlantic Ave	Homewood Blvd	Project Driveway	6LD	2,830	In: EB 20% - Out: WB 50%	15%	i	12	46	0.42%	No	1.63%	No
Atlantic Ave	Project Driveway	Congress Ave	6LD	2,830	In: EB 20%, WB 85% - Out: EB 30%	20%	i	38	32	1.34%	No	1.13%	No
Atlantic Ave	Congress Ave	Interstate 95	6LD	2,830	50%	5%	o	41	16	1.45%	No	0.57%	No
Atlantic Ave	Interstate 95	Swinton Ave	4LD	1,870	20%	5%	o	18	7	0.96%	No	0.37%	No
Atlantic Ave	Swinton Ave	Ocean Blvd	4LD	1,870	7%	2%	o	6	3	0.32%	No	0.16%	No
Congress Ave	NW 82nd St	Linton Blvd	6LD	2,940	5%	5%	i	3	6	0.10%	No	0.20%	No
Congress Ave	Linton Blvd	SW 10th St	6LD	2,830	12%	12%	i	9	14	0.32%	No	0.49%	No
Congress Ave	SW 10th St	Atlantic Ave	6LD	2,830	15%	15%	i	11	19	0.39%	No	0.67%	No
Congress Ave	Atlantic Ave	Project Driveway	6LD	2,830	Out: NB 15%, SB 50%	In: NB 50% - Out: NB 50%, SB 100%	i	57	84	2.01%	No	2.97%	No
Congress Ave	Project Driveway	Lake Ida Road	6LD	2,830	In: SB 15% - Out: NB 15%	In: NB 50%, SB 100% - Out: NB 50%	i	57	50	2.01%	No	1.77%	No
Congress Ave	Lake Ida Road	Golf Road	6LD	2,830	9%	9%	o	11	6	0.39%	No	0.21%	No
Military Trail	Linton Blvd	Atlantic Ave	6LD	2,830	5%	2%	i	2	5	0.07%	No	0.18%	No
Military Trail	Atlantic Ave	Lake Ida Road	6LD	2,830	2%	2%	o	3	2	0.11%	No	0.07%	No
Barwick Road	Atlantic Ave	Lake Ida Rd	2L	880	2%	2%	o	3	2	0.34%	No	0.23%	No
Homewood Blvd	Linton Blvd	Atlantic Ave	2L	880	2%	5%	i	3	4	0.34%	No	0.45%	No
Swinton Ave	Linton Blvd	Atlantic Ave	2L	880	5%	5%	i	3	6	0.34%	No	0.68%	No
Swinton Ave	Atlantic Ave	Lake Ida Rd	2L	880	3%	3%	o	3	2	0.34%	No	0.23%	No
Interstate 95	Linton Blvd	Atlantic Ave	4LX	8,400	15%	15%	i	11	19	0.13%	No	0.23%	No
Interstate 95	Atlantic Ave	Woolbright Rd	4LX	8,400	15%	15%	o	19	11	0.23%	No	0.13%	No
Linton Blvd	Homewood Blvd	Congress Ave	6LD	2,830	2%	2%	i	2	3	0.07%	No	0.11%	No
Linton Blvd	Congress Ave	Swinton Ave	6LD	2,830	5%	5%	o	6	3	0.21%	No	0.11%	No
SW 10th Street	Homewood Blvd	Congress Ave	2L	880	0%	0%	i	0	0	0.00%	No	0.00%	No
SW 10th Street	Congress Ave	Swinton Ave	2L	880	3%	3%	o	3	2	0.34%	No	0.23%	No
Lake Ida Road	Barwick Rd	Congress Ave	4LD	1,870	2%	20%	i	10	11	0.53%	No	0.59%	No
Lake Ida Road	Congress Ave	Swinton Ave	4LD	1,870	6%	10%	o	10	7	0.53%	No	0.37%	No

Table 4b: Test 2 Significance Analysis (PM Peak Hour)

ROADWAY	FROM	TO	COMMITTED NUMBER OF LANES	LOS E GEN. SVC. VOLUME	RESIDENTIAL % ASSIGNMENT	COMMERCIAL % ASSIGNMENT	NB/EB IN/OUT?	PROJECT TRIPS					
								PM PEAK HOUR			% IMPACT		
								TRIPS		NB/EB	Sig?	SB/WB	Sig?
								NB/EB	SB/WB				
Atlantic Ave	Sims Road	Military Trail	6LD	2,830	8%	4%	i	7	5	0.25%	No	0.18%	No
Atlantic Ave	Military Trail	Barwick Road	6LD	2,830	16%	8%	i	14	10	0.49%	No	0.35%	No
Atlantic Ave	Barwick Road	Homewood Blvd	6LD	2,830	18%	10%	i	16	11	0.57%	No	0.39%	No
Atlantic Ave	Homewood Blvd	Project Driveway	6LD	2,830	In: EB 20% - Out: WB 50%	15%	i	19	28	0.67%	No	0.99%	No
Atlantic Ave	Project Driveway	Congress Ave	6LD	2,830	In: EB 20%, WB 85% - Out: EB 30%	20%	i	35	70	1.24%	No	2.47%	No
Atlantic Ave	Congress Ave	Interstate 95	6LD	2,830	50%	5%	o	26	40	0.92%	No	1.41%	No
Atlantic Ave	Interstate 95	Swinton Ave	4LD	1,870	20%	5%	o	11	17	0.59%	No	0.91%	No
Atlantic Ave	Swinton Ave	Ocean Blvd	4LD	1,870	7%	2%	o	4	5	0.21%	No	0.27%	No
Congress Ave	NW 82nd St	Linton Blvd	6LD	2,940	5%	5%	i	5	4	0.17%	No	0.14%	No
Congress Ave	Linton Blvd	SW 10th St	6LD	2,830	12%	12%	i	12	9	0.42%	No	0.32%	No
Congress Ave	SW 10th St	Atlantic Ave	6LD	2,830	15%	15%	i	15	11	0.53%	No	0.39%	No
Congress Ave	Atlantic Ave	Project Driveway	6LD	2,830	Out: NB 15%, SB 50%	In: NB 50% - Out: NB 50%, SB 100%	i	30	47	1.06%	No	1.66%	No
Congress Ave	Project Driveway	Lake Ida Road	6LD	2,830	In: SB 15% - Out: NB 15%	In: NB 50%, SB 100% - Out: NB 50%	i	30	34	1.06%	No	1.20%	No
Congress Ave	Lake Ida Road	Golf Road	6LD	2,830	9%	9%	o	7	9	0.25%	No	0.32%	No
Military Trail	Linton Blvd	Atlantic Ave	6LD	2,830	5%	2%	i	4	3	0.14%	No	0.11%	No
Military Trail	Atlantic Ave	Lake Ida Road	6LD	2,830	2%	2%	o	1	2	0.04%	No	0.07%	No
Barwick Road	Atlantic Ave	Lake Ida Rd	2L	880	2%	2%	o	1	2	0.11%	No	0.23%	No
Homewood Blvd	Linton Blvd	Atlantic Ave	2L	880	2%	5%	i	3	2	0.34%	No	0.23%	No
Swinton Ave	Linton Blvd	Atlantic Ave	2L	880	5%	5%	i	5	4	0.57%	No	0.45%	No
Swinton Ave	Atlantic Ave	Lake Ida Rd	2L	880	3%	3%	o	3	3	0.34%	No	0.23%	No
Interstate 95	Linton Blvd	Atlantic Ave	4LX	8,400	15%	15%	i	15	11	0.18%	No	0.13%	No
Interstate 95	Atlantic Ave	Woolbright Rd	4LX	8,400	15%	15%	o	11	15	0.13%	No	0.18%	No
Linton Blvd	Homewood Blvd	Congress Ave	6LD	2,830	2%	2%	i	2	1	0.07%	No	0.04%	No
Linton Blvd	Congress Ave	Swinton Ave	6LD	2,830	5%	5%	o	4	5	0.14%	No	0.18%	No
SW 10th Street	Homewood Blvd	Congress Ave	2L	880	0%	0%	i	0	0	0.00%	No	0.00%	No
SW 10th Street	Congress Ave	Swinton Ave	2L	880	3%	3%	o	3	3	0.34%	No	0.34%	No
Lake Ida Road	Barwick Rd	Congress Ave	4LD	1,870	2%	20%	i	6	5	0.32%	No	0.27%	No
Lake Ida Road	Congress Ave	Swinton Ave	4LD	1,870	6%	10%	o	5	7	0.27%	No	0.37%	No

Intersection Analysis

An intersection analysis was undertaken for the intersection of Atlantic Avenue & Congress Avenue during the existing, background, and future total conditions using HCS7 software. The analysis was conducted using the methodologies outlined in the Highway Capacity Manual, 6th Edition. Table 5 and Table 6 summarizes the level of service/delay and the 95th percentile queue at the intersection, respectively. The intersection currently operates at an overall level of service (LOS) E. During the background and future total conditions, the intersection operates at LOS F. Under background conditions, all movements exceed the provided storage during the AM and PM peak hour with the exception of the AM northbound left and northbound right movement.

Table 5: Intersection Operational Summary

Approach	EB	WB	NB	SB	Overall
Existing Scenario					
AM Peak Hour	E	E	E	E	E
PM Peak Hour	E	E	E	E	E
Background Scenario					
AM Peak Hour	F	E	E	F	F
PM Peak Hour	E	F	F	F	F
Future Total Scenario					
AM Peak Hour	F	E	E	F	F
PM Peak Hour	F	F	F	F	F

Table 6: 95th Percentile Queue Summary

Approach	EBL	EBR	WBL	WBR	NBL	NBR	SBL
Provided (ft)	350	250	325	375	225	275	225
Existing Scenario							
AM Peak Hour	459	693	599	332	182	215	411
PM Peak Hour	558	195	314	386	285	360	455
Background Scenario							
AM Peak Hour	565	959	715	382	209	258	493
PM Peak Hour	735	260	442	458	342	422	548
Future Total Scenario							
AM Peak Hour	619	959	724	395	216	258	612
PM Peak Hour	700	250	426	528	432	604	597

Site Circulation and Turn Lane Requirements

Driveway Classification

Access to the site is proposed to be maintained via one right-in/right-out driveway on Congress Avenue and one right-in/right-out driveway on W Atlantic Avenue for the residential portion of the site and a right-in/right-out driveway on Congress Avenue for the commercial portion of the site. According to the Palm Beach County “Guide to Parking Lot and Street Access Design Criteria and Standards,” it is necessary to classify project driveways as minor, intermediate, or major according to the following criteria:

1. Minor – services a maximum daily volume of 500 vehicles.
2. Intermediate – services a daily volume ranging from 501 to 2000 vehicles.
3. Major – services a daily volume of more than 2000 vehicles.

Figure 4 illustrates the project driveway assignment and Figure 5 illustrates the project traffic volumes at the site driveways with the addition of the east parcel that is proposed to share the driveway access on Atlantic Avenue. Using these criteria, the driveways are classified as the following:

Driveway 1: Intermediate

Driveway 2: Intermediate

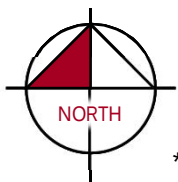
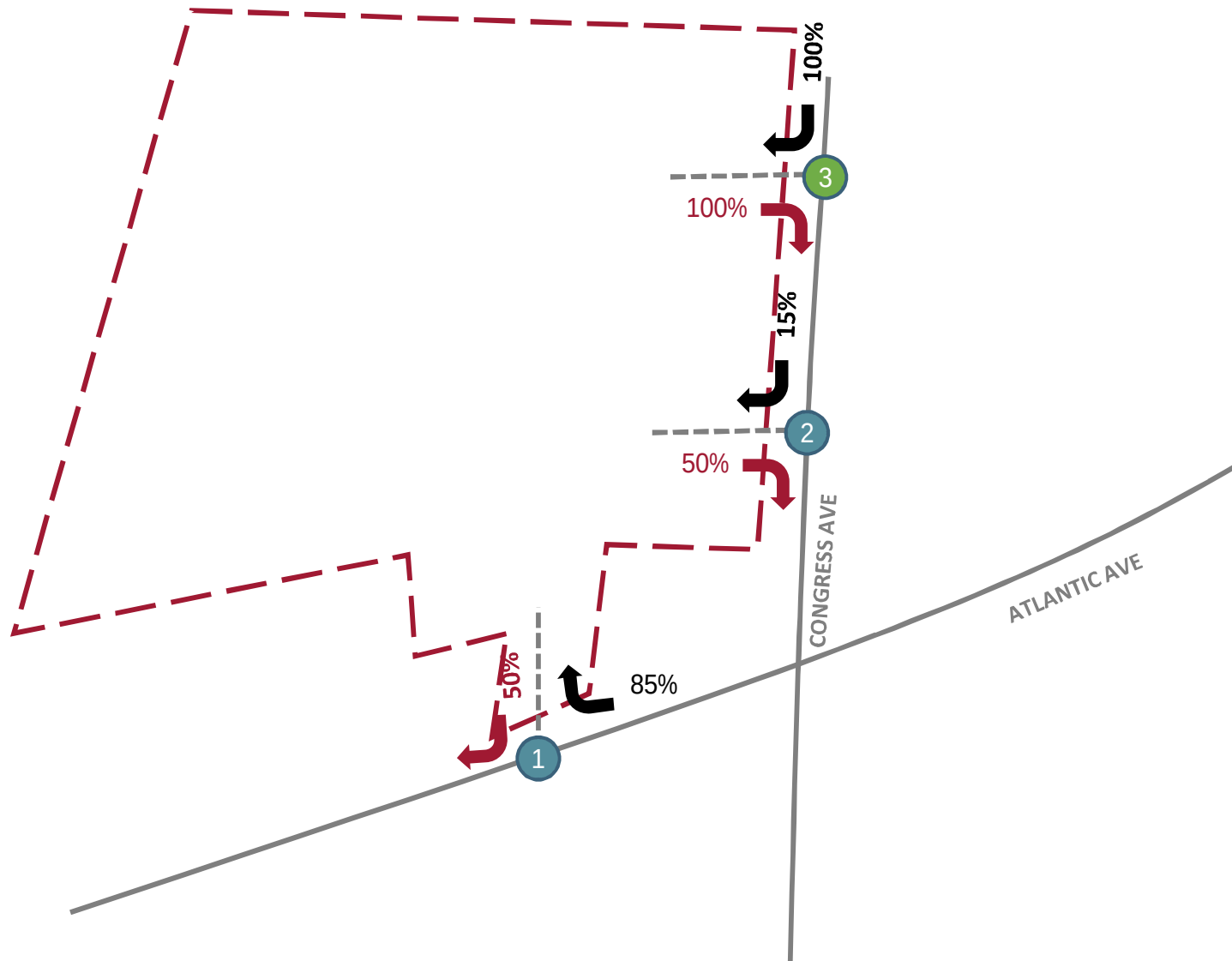
Driveway 3: Intermediate

Turn Lane Requirements

The Palm Beach County “Guide to Parking Lot and Street Access Design Criteria and Standards” provides guidance on the provision of turn lanes at site driveways. According to the standards noted in this document, the volume thresholds for providing exclusive turn lanes are as follows:

- Right-turn Lane – 75 peak hour right turns, with driveway volumes that exceed 1,000 trips per day, and average daily traffic volumes that exceed 10,000 vehicles per day.
- Left-turn Lane – 30 peak hour left turns

Based on these thresholds, a southbound right-turn lane is required at Driveway 3.

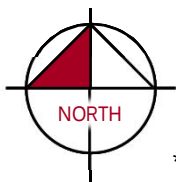
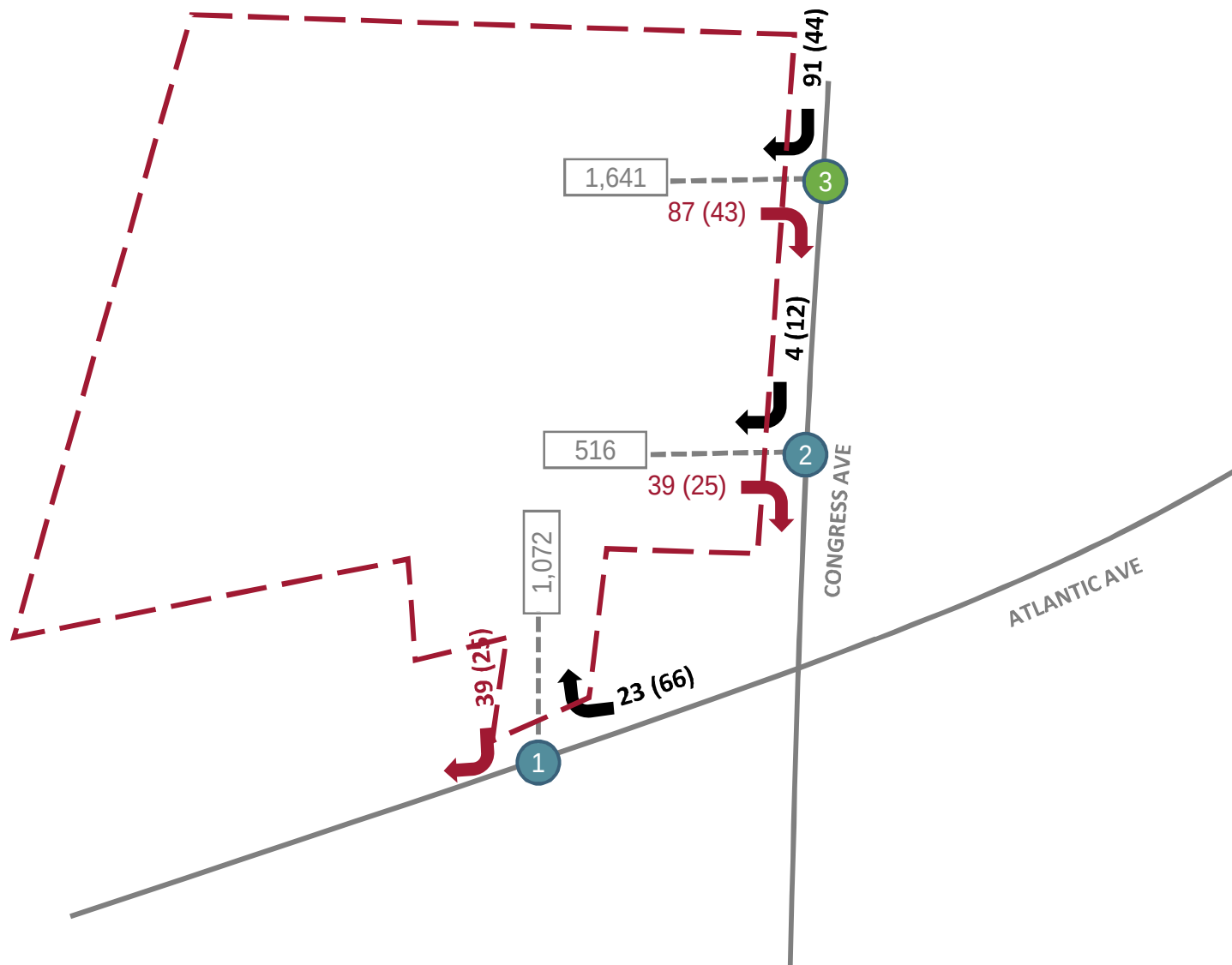


*Driveway 1 and 2 are used by the residential portion and Driveway 3 is used by the drive-through use

LEGEND
 XX% Inbound Driveway Assignment
 XX% Outbound Driveway Assignment

FIGURE 4
 DRIVEWAY ASSIGNMENT
 AURA DELRAY BEACH

Kimley»Horn



*Driveway 1 and 2 are used by the residential portion and Driveway 3 is used by the drive-through use

LEGEND

- XX (XX) AM (PM) Inbound Driveway Volumes
- XX (XX) AM (PM) Outbound Driveway Volumes
- XX Daily Volume

FIGURE 5
DRIVEWAY VOLUMES
AURA DELRAY BEACH

Conclusion

The proposed plan of redevelopment of a site located in the southwest corner of W Atlantic Avenue & Congress Avenue in Delray Beach, Florida includes 292 multifamily mid-rise dwelling units and a 2,000 square foot coffee shop with a driveway through. Buildout of the site is anticipated to occur by 2025. Based on the evaluation conducted, a future background (non-project) capacity deficiency was identified at the following location:

- Intersection of W Atlantic Avenue & Congress Avenue (future PM peak hours)
- Intersection of Congress Avenue & Lake Ida Road (future PM peak hours)

In this case, the same mitigation measure that would be required to resolve the future background (non-project) deficiency would also resolve the future total traffic deficiency with project traffic included. Therefore, no further mitigation is required, and the project meets the requirements of Article 12 of the Palm Beach County Unified Land Development Code (ULDC) through a buildout year of 2025.

Appendix A: Project Site Data

Location Address W ATLANTIC AVE**Municipality** DELRAY BEACH**Parcel Control Number** 12-43-46-18-00-000-5100**Subdivision****Official Records Book** 08014**Page**1062**Sale Date** NOV-1993

18-46-43, W 20 FT OF E 342.40 FT OF NW 1/4 OF SE 1/4

Legal Description LYG NLY OF & ADJ TO W ATLANTIC AVE R/W (LESS NLY 419.23 FT)**Owners**

LANGEL DEBRA J

LANGEL MICHAEL R &

Mailing address

2095 W ATLANTIC AVE

DELRAY BEACH FL 33445 4632

Sales Date	Price	OR Book/Page	Sale Type	Owner
NOV-1993	\$140,000	08014 / 01062	WARRANTY DEED	LANGEL MICHAEL R &
MAR-1989	\$100	06039 / 01293	QUIT CLAIM	
DEC-1985	\$100	04752 / 00989	WARRANTY DEED	
SEP-1982	\$1,500	03802 / 01562	WARRANTY DEED	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 0 **Acres** 0.0532

Use Code 9400 - R/W - BUFFER **Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$0	\$0	\$0
Land Value	\$16	\$16	\$18
Total Market Value	\$16	\$16	\$18

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$16	\$16	\$18
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$16	\$16	\$18

Tax Year	2019	2018	2017
Ad Valorem	\$0	\$0	\$0
Non Ad Valorem	\$99	\$99	\$98
Total tax	\$99	\$99	\$98

Location Address 2095 W ATLANTIC AVE**Municipality** DELRAY BEACH**Parcel Control Number** 12-43-46-18-00-000-5090**Subdivision****Official Records Book** 08014**Page**1062**Sale Date** NOV-1993

Legal Description 18-46-43, WLY 69.89 FT OF E 322.40 FT OF NW 1/4 OF SE 1/4 LYG NLY OF & ADJ TO W ATLANTIC AVE R/W (LESS NLY 406.05 FT)

Owners

LANGEL DEBRA J

LANGEL MICHAEL R &

Mailing address

2095 W ATLANTIC AVE

DELRAY BEACH FL 33445 4632

Sales Date	Price	OR Book/Page	Sale Type	Owner
NOV-1993	\$140,000	08014 / 01062	WARRANTY DEED	LANGEL MICHAEL R &
MAR-1989	\$100	06039 / 01293	QUIT CLAIM	
DEC-1985	\$100	04752 / 00989	WARRANTY DEED	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 2950 **Acres** 0.1570

Use Code 2700 - AUTO SALES **Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$141,137	\$138,084	\$132,918
Land Value	\$177,840	\$175,378	\$197,118
Total Market Value	\$318,977	\$313,462	\$330,036

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$318,977	\$313,462	\$330,036
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$318,977	\$313,462	\$330,036

Tax Year	2019	2018	2017
Ad Valorem	\$6,563	\$6,311	\$6,780
Non Ad Valorem	\$718	\$718	\$731
Total tax	\$7,281	\$7,029	\$7,511

Location Address W ATLANTIC AVE**Municipality** DELRAY BEACH**Parcel Control Number** 12-43-46-18-00-000-5122**Subdivision****Official Records Book** 14547**Page**853**Sale Date** DEC-2002

Legal Description 18-46-43, W 69.4 FT OF E 269.4FT OF N 406.05 FT OF NE
1/4 OF NW 1/4 OF SE 1/4 LYG W OF CONGRESS AVE
(LESS N 159.63 FT)

Owners

DELRAY LAND HOLDINGS LLC

Mailing address

1360 NW 33RD ST
POMPANO BEACH FL 33064 2102

Sales Date	Price	OR Book/Page	Sale Type	Owner
DEC-2002	\$510,000	14547 / 00853	WARRANTY DEED	DELRAY LAND HOLDINGS LLC
JUL-1997	\$100	09905 / 01111	WARRANTY DEED	
MAR-1990	\$90,500	06393 / 01908	WARRANTY DEED	
OCT-1986	\$300,000	05057 / 00331	WARRANTY DEED	
SEP-1985	\$232,500	04666 / 00465	WARRANTY DEED	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 0 **Acres** 0.3490
Use Code 4700 - MIN PROCESSING **Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$2,444	\$2,091	\$2,149
Land Value	\$97,306	\$85,066	\$80,961
Total Market Value	\$99,750	\$87,157	\$83,110

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$95,873	\$87,157	\$83,110
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$95,873	\$87,157	\$83,110

Tax Year	2019	2018	2017
Ad Valorem	\$2,000	\$1,755	\$1,707
Non Ad Valorem	\$72	\$72	\$70
Total tax	\$2,072	\$1,827	\$1,777

Location Address 20 N CONGRESS AVE**Municipality** DELRAY BEACH**Parcel Control Number** 12-43-46-18-00-000-5120**Subdivision****Official Records Book** 29336**Page**413**Sale Date** AUG-2017

Legal Description 18-46-43, N 163.99 FT OF E 322.4 FT OF NW 1/4 OF SE 1/4
(LESS E 60 FT & SLY 125.30 FT OF WLY 18.60 FT OF E
78.60 FT N CONGRESS AVE R/W)

Owners

RETTERRATH STEVE

Mailing address

300 SE 5TH AVE APT 1030
BOCA RATON FL 33432 5059

Sales Date	Price	OR Book/Page	Sale Type	Owner
AUG-2017	\$1,050,000	29336 / 00413	WARRANTY DEED	RETTERRATH STEVE
JAN-1997	\$330,000	09611 / 01089	WARRANTY DEED	EAST WIND LAND INC
JAN-1979	\$46,000	03157 / 01262		
JUL-1976	\$50,000	02559 / 00912	WARRANTY DEED	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 3340 **Acres** 0.9503

Use Code 1100 - STORES **Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$112,987	\$109,055	\$106,608
Land Value	\$620,955	\$620,955	\$440,717
Total Market Value	\$733,942	\$730,010	\$547,325

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$733,942	\$730,010	\$547,325
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$733,942	\$730,010	\$547,325

Tax Year	2019	2018	2017
Ad Valorem	\$15,100	\$14,698	\$11,244
Non Ad Valorem	\$839	\$839	\$851
Total tax	\$15,939	\$15,537	\$12,095

Location Address 40 N CONGRESS AVE**Municipality** DELRAY BEACH**Parcel Control Number** 12-43-46-18-00-000-1190**Subdivision****Official Records Book** 21622**Page**1843**Sale Date** APR-2006

Legal Description 18-46-43, S 1/2 OF SE 1/4 OF SW 1/4 OF NE 1/4 (LESS E 60 FT RD R/W) & S 1/2 OF SW 1/4 OF SW 1/4 OF NE 1/4 LYG OF E-4 CNL & W OF CONGRESS AVE

Owners

ADAMS RUTH D &
 AMAR MARY D &
 DANIELS FAMILY TRUST &
 TAYLOR ELIZABETH D
 DANIELS COREY D TRUSTEE
 SMITH LULA M TRUSTEE &

Mailing address

1502 BELAFAONTE DR
 PORTSMOUTH VA 23701 3706

Sales Date	Price	OR Book/Page	Sale Type	Owner
APR-2006	\$10	21622 / 01843	WARRANTY DEED	DANIELS FAMILY TRUST &
JAN-1975	\$100	02266 / 01454	LIFE ESTATE	DANIELS LEVIE & ADDIE J
JAN-1975	\$0	20975 / 00740	LIFE ESTATE	DANIELS LEVIE &

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 0**Acres** 5.5339**Use Code** 4000 - VACANT INDUSTRIAL**Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$0	\$0	\$0
Land Value	\$1,029,526	\$928,393	\$883,597
Total Market Value	\$1,029,526	\$928,393	\$883,597

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$1,021,232	\$928,393	\$883,597
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$1,021,232	\$928,393	\$883,597

Tax Year	2019	2018	2017
Ad Valorem	\$21,070	\$18,692	\$18,152
Non Ad Valorem	\$329	\$329	\$320
Total tax	\$21,399	\$19,021	\$18,472

Location Address 2189 W ATLANTIC AVE
Municipality DELRAY BEACH
Parcel Control Number 12-43-46-18-00-000-5110
Subdivision
Official Records Book 16385 **Page** 1747
Sale Date DEC-2003
Legal Description 18-46-43, PT OF NW 1/4 OF SE 1/4 LYG E OF & ADJ TO E-4 CNL R/W AS IN OR16385P1747

Owners
 DELRAY LAND HOLDINGS LLC

Mailing address
 1360 NW 33RD ST
 POMPANO BEACH FL 33064 2102

Sales Date	Price	OR Book/Page	Sale Type	Owner
DEC-2003	\$10	16385 / 01747	QUIT CLAIM	DELRAY LAND HOLDINGS LLC
JAN-2003	\$895,000	14790 / 01233	WARRANTY DEED	DELRAY LAND HOLDINGS LLC
JAN-2003	\$1	14790 / 01236	QUIT CLAIM	DELRAY LAND HLDGS
JAN-2003	\$1	14790 / 01230	QUIT CLAIM	SHAW DEVELOPMENT LIMITED
JAN-1985	\$100	04465 / 01334	QUIT CLAIM	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 1600 **Acres** 4.0305
Use Code 4700 - MIN PROCESSING **Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$119,694	\$120,094	\$119,335
Land Value	\$1,014,249	\$900,151	\$857,047
Total Market Value	\$1,133,943	\$1,020,245	\$976,382

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$1,122,270	\$1,020,245	\$976,382
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$1,122,270	\$1,020,245	\$976,382

Tax Year	2019	2018	2017
Ad Valorem	\$23,173	\$20,542	\$20,058
Non Ad Valorem	\$812	\$812	\$813
Total tax	\$23,985	\$21,354	\$20,871

Location Address 2200 W ATLANTIC AVE
Municipality DELRAY BEACH
Parcel Control Number 12-43-46-18-00-000-5111
Subdivision
Official Records Book 14547 **Page**853
Sale Date DEC-2002
Legal Description 18-46-43, SLY 150 FT OF NLY 269.23 FT OF WLY 150 FT OF ELY 477.4 FT OF NW 1/4 OF SE 1/4

Owners
 DELRAY LAND HOLDINGS LLC

Mailing address
 1360 NW 33RD ST
 POMPANO BEACH FL 33064 2102

Sales Date	Price	OR Book/Page	Sale Type	Owner
DEC-2002	\$510,000	14547 / 00853	WARRANTY DEED	DELRAY LAND HOLDINGS LLC
MAR-1990	\$90,500	06393 / 01908	WARRANTY DEED	
OCT-1986	\$300,000	05057 / 00331	WARRANTY DEED	
SEP-1985	\$232,500	04666 / 00465	WARRANTY DEED	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 0 **Acres** 0.4886
Use Code 4700 - MIN PROCESSING **Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$4,619	\$4,569	\$4,485
Land Value	\$136,224	\$119,090	\$113,343
Total Market Value	\$140,843	\$123,659	\$117,828

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$136,025	\$123,659	\$117,828
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$136,025	\$123,659	\$117,828

Tax Year	2019	2018	2017
Ad Valorem	\$2,833	\$2,490	\$2,421
Non Ad Valorem	\$78	\$78	\$76
Total tax	\$2,911	\$2,568	\$2,497

Location Address 2101 W ATLANTIC AVE
Municipality DELRAY BEACH
Parcel Control Number 12-43-46-18-00-000-5101
Subdivision
Official Records Book 14547 **Page**853
Sale Date DEC-2002
Legal Description 18-46-43, SLY 150 FT OF NLY 419.23 FT OF WLY 150 FT OF ELY 477.4 FT OF NW 1/4 OF SE 1/4

Owners
 DELRAY LAND HOLDINGS LLC

Mailing address
 1360 NW 33RD ST
 POMPANO BEACH FL 33064 2102

Sales Date	Price	OR Book/Page	Sale Type	Owner
DEC-2002	\$510,000	14547 / 00853	WARRANTY DEED	DELRAY LAND HOLDINGS LLC
JUL-1997	\$100	09905 / 01111	WARRANTY DEED	
MAR-1990	\$90,500	06393 / 01908	WARRANTY DEED	
OCT-1986	\$300,000	05057 / 00331	WARRANTY DEED	
SEP-1985	\$232,500	04666 / 00465	WARRANTY DEED	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 4500 **Acres** 0.4886
Use Code 4700 - MIN PROCESSING **Zoning** MIC - Mixed Industrial & Commercial (12-DELRAY BEACH)

Tax Year	2019	2018	2017
Improvement Value	\$225,204	\$215,312	\$207,456
Land Value	\$136,224	\$119,090	\$113,343
Total Market Value	\$361,428	\$334,402	\$320,799

All values are as of January 1st each year

Tax Year	2019	2018	2017
Assessed Value	\$361,428	\$334,402	\$320,799
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$361,428	\$334,402	\$320,799

Tax Year	2019	2018	2017
Ad Valorem	\$7,436	\$6,733	\$6,590
Non Ad Valorem	\$1,037	\$1,037	\$1,058
Total tax	\$8,473	\$7,770	\$7,648

Appendix B: Turning Movement Counts and Roadway Volumes

SIGNAL ID	E-W STREET	N-S STREET	DATE	TIME	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	TOTAL
12651	Kyoto Gardens Dr	Military Tr	4/26/2018	5:00 PM	1	299	1017	139	2	153	919	9	0	0	0	0	0	297	198	233	3267
12651	Kyoto Gardens Dr	Military Tr	4/16/2015	7:30 AM	1	110	1001	173	2	201	1088	0	0	0	0	0	0	109	28	49	2762
12651	Kyoto Gardens Dr	Military Tr	4/16/2015	5:00 PM	2	332	1162	167	7	100	1168	0	0	0	0	0	0	276	166	249	3629
12651	Kyoto Gardens Dr	Military Tr	2/24/2014	7:30 AM	2	102	941	135	0	207	1071	17	0	0	0	0	1	124	12	44	2656
12651	Kyoto Gardens Dr	Military Tr	2/24/2014	4:45 PM	0	294	1080	185	10	121	1114	39	0	0	0	0	0	282	149	268	3542
37325	Lake Ave	Dixie Hwy	8/27/2015	7:30 AM	0	0	524	79	0	150	493	0	0	189	316	104	0	0	0	0	1855
37325	Lake Ave	Dixie Hwy	8/27/2015	12:15 PM	0	0	582	118	6	207	566	0	0	132	209	102	0	0	0	0	1922
37325	Lake Ave	Dixie Hwy	8/27/2015	4:30 PM	0	0	710	87	0	168	711	0	0	217	211	171	0	0	0	0	2275
37450	Lake Ave	Federal Hwy	8/27/2015	7:30 AM	0	0	209	89	0	114	171	0	0	37	340	40	0	0	0	0	1000
37450	Lake Ave	Federal Hwy	8/27/2015	12:15 PM	0	0	167	74	0	72	203	0	0	63	309	44	0	0	0	0	932
37450	Lake Ave	Federal Hwy	8/27/2015	4:30 PM	0	0	255	66	0	66	363	0	0	61	271	54	0	0	0	0	1136
37475	Lake Ave	Ocean Bl/A1A	10/26/2017	7:45 AM	0	90	186	13	0	4	90	103	8	446	53	292	0	5	47	14	1351
37475	Lake Ave	Ocean Bl/A1A	10/26/2017	12:00 PM	2	171	182	20	0	18	136	248	7	174	89	149	0	22	58	26	1302
37475	Lake Ave	Ocean Bl/A1A	10/26/2017	3:45 PM	1	322	155	17	0	20	189	423	10	160	97	136	1	20	108	20	1679
37475	Lake Ave	Ocean Bl/A1A	9/29/2014	7:45 AM	0	76	179	7	0	4	50	88	6	411	55	191	0	6	23	5	1101
37475	Lake Ave	Ocean Bl/A1A	9/29/2014	3:45 PM	0	197	135	9	3	5	130	288	3	143	114	100	0	13	81	6	1227
53500	Lake Bl	Military Tr	4/30/2019	7:30 AM	3	39	767	0	16	0	2394	50	0	106	0	143	0	0	0	0	3518
53500	Lake Bl	Military Tr	4/30/2019	12:15 PM	4	43	1227	0	10	0	1358	54	0	45	0	51	0	0	0	0	2792
53500	Lake Bl	Military Tr	4/30/2019	4:15 PM	4	93	1914	0	17	0	1175	101	0	69	0	55	0	0	0	0	3428
53500	Lake Bl	Military Tr	11/9/2015	8:00 AM	2	31	959	0	38	0	2152	29	WBT movement is inconsistent with 2016 counts and link counts. The 2016 WBT volume was grown to 2019 with 1.43 growth factor.				0	0	0	0	3403
53500	Lake Bl	Military Tr	11/9/2015	4:45 PM	5	88	2110	0	18	0	1114	127					0	0	0	0	3585
41820	Lake Charleston Bl/Weste	Jog Rd	9/10/2015	7:30 AM	5	75	1038	16	1	32	1919	200					0	50	22	24	3942
41820	Lake Charleston Bl/Weste	Jog Rd	9/10/2015	5:00 PM	2	151	1653	19	6	27	1151	298					0	17	3	32	3697
51820	Lake Ida Rd	Barwick Rd	1/29/2019	7:30 AM	0	75	111	66	0	286	203	167					1	81	492	177	2687
51820	Lake Ida Rd	Barwick Rd	1/29/2019	12:00 PM	0	103	71	103	0	94	68	46	2	134	754	137	2	97	580	116	2055
51820	Lake Ida Rd	Barwick Rd	1/29/2019	4:45 PM	0	138	130	144	0	159	91	67	4	115	880	278	3032				
51820	Lake Ida Rd	Barwick Rd	11/14/2016	7:15 AM	0	69	111	65	0	285	200	145	2	178	697	97	1	135	418	159	2562
51820	Lake Ida Rd	Barwick Rd	11/14/2016	12:30 PM	0	59	68	81	0	96	61	45	4	63	484	86	5	94	398	127	1671
51820	Lake Ida Rd	Barwick Rd	11/14/2016	4:45 PM	0	133	134	125	0	150	81	63	2	120	678	116	9	94	694	218	2617
51820	Lake Ida Rd	Barwick Rd	5/20/2014	7:15 AM	0	69	136	52	0	341	225	151	0	142	553	56	0	93	424	162	2404
51820	Lake Ida Rd	Barwick Rd	5/20/2014	4:45 PM	0	101	100	90	0	129	70	44	0	65	632	78	3	131	666	179	2288
51850	Lake Ida Rd	Congress Ave	2/19/2019	7:30 AM	1	180	526	150	0	410	1503	180	7	230	779	522	0	219	715	141	5563
51850	Lake Ida Rd	Congress Ave	2/19/2019	12:00 PM	3	249	566	156	2	174	664	138	10	286	458	313	0	196	631	125	3971
51850	Lake Ida Rd	Congress Ave	2/19/2019	4:45 PM	6	464	963	208	2	302	894	320	10	270	641	275	0	270	1509	244	6378
51850	Lake Ida Rd	Congress Ave	11/9/2016	7:30 AM	2	218	517	151	3	369	1063	136	7	288	577	459	0	175	499	111	4575
51850	Lake Ida Rd	Congress Ave	11/9/2016	12:30 PM	6	243	573	121	1	135	646	155	10	253	328	214	0	132	462	96	3375
51850	Lake Ida Rd	Congress Ave	11/9/2016	4:45 PM	2	474	872	166	0	191	604	175	11	282	533	202	6	176	621	146	4461

SIGNAL ID	E-W STREET	N-S STREET	DATE	TIME	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	TOTAL
53100	W Atlantic Ave	Barwick Rd/Sherwood	5/7/2014	3:45 PM	0	15	6	16	5	198	4	185	48	214	1346	21	12	7	1363	241	3681
53150	W Atlantic Ave	Congress Ave	3/5/2018	7:45 AM	2	163	404	227	14	421	951	214	0	239	1119	470	13	323	947	306	5813
53150	W Atlantic Ave	Congress Ave	3/5/2018	12:00 PM	14	322	523	194	15	346	569	273	9	211	1076	273	14	209	964	276	5288
53150	W Atlantic Ave	Congress Ave	3/5/2018	4:45 PM	1	302	996	339	8	444	567	304	8	243	1138	207	10	163	1119	349	6198
53150	W Atlantic Ave	Congress Ave	9/28/2016	7:45 AM	6	166	423	210	14	406	1033	193	9	229	985	524	8	306	868	335	5715
53150	W Atlantic Ave	Congress Ave	9/28/2016	11:45 AM	11	258	535	209	15	342	491	212	16	191	888	228	13	208	883	264	4764
53150	W Atlantic Ave	Congress Ave	9/28/2016	4:45 PM	3	351	1114	396	11	367	566	275	7	245	1085	137	16	202	1165	320	6260
53150	W Atlantic Ave	Congress Ave	1/23/2014	7:45 AM	7	186	339	175	11	460	918	262	8	252	1025	392	0	364	1070	342	5811
53150	W Atlantic Ave	Congress Ave	12/17/2014	7:45 AM	7	154	468	128	15	376	1122	92	7	207	960	421	1	384	1056	181	5579
53150	W Atlantic Ave	Congress Ave	1/23/2014	4:30 PM	10	421	985	386	19	430	628	284	4	314	1127	232	5	211	1149	284	6489
53150	W Atlantic Ave	Congress Ave	12/17/2014	5:00 PM	4	384	871	388	8	378	915	179	14	234	1236	155	1	337	996	235	6335
53046	W Atlantic Ave	Cumberland Dr	11/14/2017	7:30 AM	0	0	0	0	0	27	0	28	41	21	2394	0	0	0	1239	20	3770
53046	W Atlantic Ave	Cumberland Dr	11/14/2017	12:00 PM	0	0	0	0	0	56	0	41	36	28	1483	0	0	0	1465	41	3150
53046	W Atlantic Ave	Cumberland Dr	11/14/2017	4:30 PM	0	0	0	0	0	81	0	22	20	33	1548	0	0	0	1974	29	3707
53046	W Atlantic Ave	Cumberland Dr	5/8/2014	7:30 AM	0	0	0	0	0	30	0	37	45	29	1956	0	0	0	1014	22	3133
53046	W Atlantic Ave	Cumberland Dr	5/8/2014	4:30 PM	0	0	0	0	0	53	0	28	24	35	1241	0	0	0	1506	28	2915
53054	W Atlantic Ave	El Clair Ranch Rd	2/12/2019	7:45 AM	0	7	5	15	0	124	25	124	11	46	1689	27	4	18	1048	68	3211
53054	W Atlantic Ave	El Clair Ranch Rd	2/12/2019	12:00 PM	0	25	18	22	0	123	26	96	66	90	1515	26	7	36	1408	112	3570
53054	W Atlantic Ave	El Clair Ranch Rd	2/12/2019	4:45 PM	0	35	39	29	0	83	25	85	47	124	1507	12	6	20	1449	141	3602
53054	W Atlantic Ave	El Clair Ranch Rd	4/25/2016	8:00 AM	0	6	4	4	0	131	23	76	10	27	1723	16	7	21	948	37	3033
53054	W Atlantic Ave	El Clair Ranch Rd	4/25/2016	12:30 PM	0	26	15	18	0	99	28	76	25	46	1047	58	4	27	1210	83	2762
53054	W Atlantic Ave	El Clair Ranch Rd	4/25/2016	4:45 PM	0	32	28	10	0	91	16	46	19	117	958	11	8	29	1400	149	2914
53041	W Atlantic Ave	FI Turnpike West	2/20/2018	7:30 AM	0	0	0	0	0	394	0	147	8	280	1290	0	0	0	858	847	3824
53041	W Atlantic Ave	FI Turnpike West	2/20/2018	12:15 PM	0	0	0	0	0	169	0	86	14	163	1071	0	0	0	1159	427	3089
53041	W Atlantic Ave	FI Turnpike West	2/20/2018	4:45 PM	0	0	0	0	3	166	0	156	5	191	1203	0	0	0	1236	882	3842
53041	W Atlantic Ave	FI Turnpike West	3/14/2017	7:30 AM	0	0	0	0	0	425	0	329	23	182	963	0	0	0	783	581	3286
53041	W Atlantic Ave	FI Turnpike West	3/14/2017	12:00 PM	0	0	0	0	1	166	0	99	15	149	996	0	0	0	1021	451	2898
53041	W Atlantic Ave	FI Turnpike West	3/14/2017	4:45 PM	0	0	0	0	0	165	0	96	5	137	952	0	0	0	891	714	2960
53041	W Atlantic Ave	FI Turnpike West	2/24/2016	7:30 AM	0	0	0	0	0	360	0	142	5	215	1118	0	0	0	747	562	3149
53041	W Atlantic Ave	FI Turnpike West	2/24/2016	4:45 PM	0	0	0	0	0	114	0	95	9	158	1041	0	0	0	909	717	3043
53041	W Atlantic Ave	FI Turnpike West	3/9/2015	7:30 AM	0	0	0	0	2	369	0	148	9	236	1056	0	0	0	817	625	3262
53041	W Atlantic Ave	FI Turnpike West	3/9/2015	4:30 PM	0	0	0	0	1	130	0	106	9	151	1013	0	1	0	1112	697	3220
53041	W Atlantic Ave	FI Turnpike West	1/22/2014	7:30 AM	0	0	0	0	0	338	0	152	19	203	982	0	0	0	723	520	2937
53041	W Atlantic Ave	FI Turnpike West	4/23/2014	7:30 AM	0	0	0	0	0	332	0	141	17	235	1056	0	1	0	719	583	3084
53041	W Atlantic Ave	FI Turnpike West	4/23/2014	4:30 PM	0	0	0	0	0	111	0	109	7	156	956	0	0	0	955	640	2934
53041	W Atlantic Ave	FI Turnpike West	1/22/2014	4:30 PM	0	0	0	0	0	113	0	124	5	124	902	0	0	0	922	533	2723
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/1/2018	7:45 AM	0	17	5	24	0	944	9	141	0	161	1335	12	1	17	1503	142	4311

SIGNAL ID	E-W STREET	N-S STREET	DATE	TIME	NBU	NBL	NBT	NBR	SBU	SBL	SBT	SBR	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	TOTAL
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/1/2018	12:15 PM	0	1	4	18	0	460	1	91	2	123	942	3	4	22	1262	157	3090
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/8/2018	4:30 PM	0	8	2	19	0	671	11	142	3	152	1140	9	2	33	1693	157	4042
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/14/2017	7:30 AM	0	18	4	22	1	734	2	116	8	135	1302	7	0	13	1277	172	3811
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/14/2017	12:00 PM	0	12	1	21	2	264	1	91	6	106	1087	5	6	24	1276	181	3083
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/14/2017	4:45 PM	0	8	4	13	0	641	10	144	4	150	1155	13	2	18	1515	170	3847
53043	W Atlantic Ave	FI Turnpike/Tranquility	2/24/2016	7:30 AM	0	18	5	37	0	798	3	111	3	155	1333	5	0	28	1286	200	3982
53043	W Atlantic Ave	FI Turnpike/Tranquility	2/24/2016	4:45 PM	0	11	1	24	2	591	3	163	1	124	918	14	3	26	1516	158	3555
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/9/2015	7:30 AM	0	14	5	23	0	734	0	133	4	158	1216	6	0	8	1248	154	3703
53043	W Atlantic Ave	FI Turnpike/Tranquility	3/9/2015	4:30 PM	0	3	0	12	1	543	3	151	1	123	1027	4	9	28	1483	221	3609
53043	W Atlantic Ave	FI Turnpike/Tranquility	1/22/2014	7:30 AM	0	5	2	28	0	633	0	86	2	149	1278	9	0	9	1201	144	3546
53043	W Atlantic Ave	FI Turnpike/Tranquility	4/23/2014	7:30 AM	1	13	1	30	0	664	3	132	3	144	1339	10	0	14	1260	126	3740
53043	W Atlantic Ave	FI Turnpike/Tranquility	4/23/2014	4:30 PM	0	5	7	11	1	495	5	167	2	126	898	8	8	26	1460	252	3471
53043	W Atlantic Ave	FI Turnpike/Tranquility	1/22/2014	4:30 PM	0	3	3	6	1	513	7	162	4	113	1007	9	3	19	1428	223	3501
53044	W Atlantic Ave	Hagen Ranch Rd	2/15/2018	7:30 AM	0	0	0	0	0	215	0	480	17	266	2240	0	0	0	1061	74	4353
53044	W Atlantic Ave	Hagen Ranch Rd	2/15/2018	12:15 PM	0	0	0	0	1	248	0	411	19	302	1510	0	0	0	1230	166	3887
53044	W Atlantic Ave	Hagen Ranch Rd	2/15/2018	4:45 PM	0	0	0	0	3	159	0	468	11	428	1271	0	1	0	1573	104	4018
53044	W Atlantic Ave	Hagen Ranch Rd	3/13/2017	7:30 AM	0	0	0	0	0	208	0	450	20	252	2064	0	0	0	961	49	4004
53044	W Atlantic Ave	Hagen Ranch Rd	3/13/2017	12:00 PM	0	0	0	0	0	198	0	224	14	273	1169	0	0	0	953	102	2933
53044	W Atlantic Ave	Hagen Ranch Rd	3/13/2017	4:45 PM	0	0	0	0	4	142	0	396	17	469	1278	0	0	0	1514	103	3923
53044	W Atlantic Ave	Hagen Ranch Rd	2/18/2016	7:30 AM	0	0	0	0	0	233	0	466	16	284	2097	0	0	0	956	64	4116
53044	W Atlantic Ave	Hagen Ranch Rd	2/18/2016	4:45 PM	0	0	0	0	0	246	0	445	12	355	1064	0	0	0	1445	47	3614
53044	W Atlantic Ave	Hagen Ranch Rd	3/9/2015	7:30 AM	0	0	0	0	3	189	0	454	21	298	1745	0	1	0	956	120	3787
53044	W Atlantic Ave	Hagen Ranch Rd	3/9/2015	4:30 PM	0	0	0	0	5	182	0	442	15	416	1169	0	0	0	1688	123	4040
53044	W Atlantic Ave	Hagen Ranch Rd	1/22/2014	7:30 AM	0	0	0	0	1	200	0	427	0	276	1827	0	0	0	896	60	3687
53044	W Atlantic Ave	Hagen Ranch Rd	4/30/2014	7:30 AM	0	0	0	0	6	186	0	454	6	238	2106	0	0	0	900	67	3963
53044	W Atlantic Ave	Hagen Ranch Rd	1/22/2014	4:30 PM	0	0	0	0	2	142	0	438	11	362	1083	0	0	0	1426	137	3601
53044	W Atlantic Ave	Hagen Ranch Rd	4/30/2014	4:45 PM	0	0	0	0	4	145	0	335	13	358	1089	0	0	0	1494	135	3573
53125	W Atlantic Ave	Homewood Bl/Highpoi	3/4/2019	8:00 AM	0	152	5	113	1	33	25	24	1	14	1782	260	52	94	1099	29	3684
53125	W Atlantic Ave	Homewood Bl/Highpoi	3/4/2019	12:00 PM	2	181	12	97	0	48	18	46	4	35	1470	189	35	113	1236	39	3525
53125	W Atlantic Ave	Homewood Bl/Highpoi	3/4/2019	4:30 PM	0	257	20	105	0	35	15	25	1	34	1604	206	46	94	1524	45	4011
53125	W Atlantic Ave	Homewood Bl/Highpoi	11/29/2016	8:00 AM	0	137	8	99	1	28	22	20	0	6	1442	234	62	76	1229	19	3383
53125	W Atlantic Ave	Homewood Bl/Highpoi	11/29/2016	12:30 PM	0	123	8	56	1	32	12	21	4	25	1311	135	47	80	1204	29	3088
53125	W Atlantic Ave	Homewood Bl/Highpoi	11/29/2016	4:30 PM	0	204	23	101	0	21	9	35	6	26	1398	193	39	132	1611	28	3826
53125	W Atlantic Ave	Homewood Bl/Highpoi	5/6/2014	8:00 AM	0	117	4	97	0	32	18	15	2	4	1338	129	50	89	1333	17	3245
53125	W Atlantic Ave	Homewood Bl/Highpoi	5/6/2014	4:30 PM	0	133	9	78	0	14	15	17	3	25	1449	122	51	135	1452	24	3527
53175	W Atlantic Ave	I 95 East	3/5/2018	7:45 AM	0	845	0	499	0	0	0	0	11	612	1345	0	0	0	1120	411	4843
53175	W Atlantic Ave	I 95 East	3/5/2018	12:00 PM	0	782	0	420	0	0	0	0	14	476	1253	0	1	0	907	336	4189

Appendix C: Growth Rate Calculations

Roadway	To	From	2019 Volumes	3 Yr GR	Yearly GR
Atlantic Ave	Sims Road	Military Trail	43,896	0.84%	369
Atlantic Ave	Military Trail	Barwick Road	40,602	-2.39%	-970
Congress Ave	Linton Blvd	SW 10th St	27,164	1.07%	291
Congress Ave	SW 10th St	Atlantic Ave	28,212	0.58%	164
Congress Ave	Atlantic Ave	Lake Ida Road	34,956	0.41%	143
Military Trail	Linton Blvd	Atlantic Ave	40,154	-0.14%	-56
Military Trail	Atlantic Ave	Lake Ida Road	45,860	-0.13%	-60
Lake Ida Road	Barwick Rd	Congress Ave	29,791	1.49%	444
Lake Ida Road	Congress Ave	Swinton Ave	24,907	6.28%	1564
			315,542		1,889
Area Wide Growth Rate			=	0.60%	



PALM BEACH COUNTY TRAFFIC DIVISION HISTORIC TRAFFIC GROWTH TABLE

CURRENT YEAR – 2019

(2019 counts must be used in traffic studies received by the Traffic Division on or after July 10, 2019)

This document was developed as supporting data for use in traffic impact studies seeking to demonstrate compliance with Article 12 of the Unified Land Development Code, the Traffic Performance Standards. This table shows historical peak season traffic counts, Daily and Peak Hour, from 2014 to 2019 (peak hour only for the latest year) as well as a calculated growth rate for each count station. A 3-year timeframe was used to calculate the historic growth rate shown.

Please note that the counts, in most cases, reflect a snapshot of just one full day mid-week volumes. Though great caution was exercised to avoid impacts of construction/road closures in the immediate vicinity on these traffic counts, there is no guarantee that a faraway event has not influenced the counts indirectly. Engineering judgment should be exercised in the use of counts where growth rates are out of the ordinary, particularly in cases where the growth rates are negative, too high, etc. For a lengthy build out date (generally more than 5 years), use of an area wide growth rate might be more appropriate. Consult Article 12 of the ULDC regarding use of traffic counts and historical growth rates in the traffic impact studies.

If current year counts is not listed in this document (or through FDOT's yearly Count Program) but is required for the Traffic Impact Study, a consultation with the County must be done before commencing the study to determine how those counts may be collected.

STN#	ROAD	FROM	TO	LANES	PK HR LOS	DAILY TRAFFIC VOLUMES					2019 DAILY		18-19 GR	3YR GR	2019 AM PEAK HOUR			2019 PM PEAK HOUR		
						2014	2015	2016	2017	2018	VOL	DATE			2-WAY	NB/EB	SB/WB	2-WAY	NB/EB	SB/WB
3665	45TH ST	Military Tr	Village Blvd	6D	2680	39648	42966	44770		46220	45923	3/6/2019	-0.64%	0.85%	3335	1852	1483	3480	1699	1916
3843	45TH ST	Congress Ave	Australian Ave	6D	2680	44996	43748	46301	48381	48274	49232	3/13/2019	1.98%	2.07%	3902	2287	1626	3370	1699	1755
3845	45TH ST	Greenwood Ave	Broadway (WPB)	3	810	13442	13429	14079	15021	16145	17253	3/13/2019	6.86%	7.01%	1279	714	577	1353	647	706
1809	A1A	Jupiter Inlet Colony	US 1	2	880	5082	7322	7802		7957	7860	4/1/2019	-1.22%	0.25%	715	347	376	708	288	424
1804	A1A	US 1	Indiantown Rd	2	880	7924	9079	9866	10122	10172	9228	4/1/2019	-9.28%	-2.20%	789	449	349	807	417	390
1812	A1A	Indiantown Rd	Ocean Way	2	1140	7382	6475	7037		6789	6222	1/29/2019	-8.35%	-4.02%	515	250	265	608	305	303
1818	A1A	Ocean Way	Marcinski Rd	2	880	3735	4867	5526	5002	5339	5250	2/25/2019	-1.67%	-1.69%	319	145	174	425	224	216
1314	A1A	Marcinski Rd	Donald Ross Rd	2	880	5286	4210	4623		4257	4411	2/25/2019	3.62%	-1.55%	255	118	137	345	196	161
4808	A1A	Phipps Ocean Park Ent	Lake Worth Rd	2	1140		12405				9880	3/13/2019			576	436	149	863	372	514
4812	A1A	Palm Beach limits	E Ocean Ave	2	1140		10897			9727	10401	3/13/2019	6.93%		521	281	245	911	467	461
6308	A1A	Delray Beach	Highland Beach	2	880	10565	11042	12263	11650	12229	11388	3/11/2019	-6.88%	-2.44%	802	314	488	962	542	450
6800	A1A	Palmetto Park Rd	Camino Real	2	880	12002	11093			14640	12650	3/11/2019	-13.59%		762	470	292	1009	447	569
5403	ATLANTIC AVE	SR 7	Lyons Rd	2	880	14753	16435	16276		18896	18839	2/6/2019	-0.30%	5.00%	1679	1030	724	1503	726	781
5101	ATLANTIC AVE	Lyons Rd	Turnpike	4D	1960	25759	29886	29311		34770	33103	2/11/2019	-4.79%	4.14%	2630	1481	1181	2614	1348	1268
5209	ATLANTIC AVE	Turnpike	Hagen Ranch Rd	4D	1770	37269		39788		45436	44988	2/11/2019	-0.99%	4.18%	3826	2288	1563	3489	1690	1808
5643	ATLANTIC AVE	Hagen Ranch Rd	Jog Rd	4D	1770	32810	36572	34880	39932	39360	38678	2/11/2019	-1.73%	3.51%	3138	2035	1207	3046	1473	1573
5631	ATLANTIC AVE	Jog Rd	El Clair Ranch Rd	6D	2680	37396	40737	40190	42203	42426	41026	2/11/2019	-3.30%	0.69%	2914	1710	1432	3128	1569	1571
5637	ATLANTIC AVE	El Clair Ranch Rd	Military Tr	6D	2940	41135	44644	45021		46963	43896	2/11/2019	-6.53%	-0.84%	3030	1865	1446	3350	1646	1704
5609	ATLANTIC AVE	Military Tr	Barwick Rd	6D	2680	40150	41810	43662		43458	40602	2/11/2019	-6.57%	-2.39%	2790	1603	1295	3022	1543	1516

STN#	ROAD	FROM	TO	LANES	PK HR LOS	DAILY TRAFFIC VOLUMES					2019 DAILY		18-19 GR	3YR GR	2019 AM PEAK HOUR			2019 PM PEAK HOUR		
						2014	2015	2016	2017	2018	VOL	DATE			2-WAY	NB/EB	SB/WB	2-WAY	NB/EB	SB/WB
5659	ATLANTIC AVE	Barwick Rd	Congress Ave	6D	2680	42167	44038		45219	44682	41132	2/11/2019	-7.95%		2910	1751	1256	3027	1445	1582
2834	AUSTRALIAN AVE	Blue Heron Blvd	Beeline Hwy (SR 710	4D	1770	13358	13636	14436	14810	14015	13481	3/11/2019	-3.81%	-2.26%	1019	458	574	1156	699	474
2306	AUSTRALIAN AVE	Beeline Hwy (SR 710)	45th St	4D	1960		16813	17266			18133	3/11/2019		1.65%	1350	646	704	1746	960	833
3802	AUSTRALIAN AVE	45th St	36th St	4D	1960	25480	24939	26363	27424	30097	26227	4/1/2019	-12.86%	-0.17%	2145	1097	1063	2363	1022	1341
3810	AUSTRALIAN AVE	36th St	25th St	4D	1960	23382	23335	23315	24661	27618	24384	4/1/2019	-11.71%	1.51%	2104	1001	1103	2217	940	1284
3816	AUSTRALIAN AVE	25th St	15th St	4D	1770	24977	27149	27604	28591	28549	28116	1/28/2019	-1.52%	0.61%	2285	1148	1137	2598	1099	1499
3820	AUSTRALIAN AVE	15th St	Palm Beach Lakes Bl	4D	1860	24287	27794	25652	26783	29366	29178	1/28/2019	-0.64%	4.39%	2255	1125	1149	2569	1083	1497
3924	AUSTRALIAN AVE	Palm Beach Lakes Blvd	Banyan Blvd	4D	1770	22341	23397	25273	27253	28700	28951	1/28/2019	0.87%	4.63%	2367	1189	1196	2678	971	1722
3850	AUSTRALIAN AVE	Banyan Blvd	Okeechobee Bl	6D	2940	34271	33703	36743			43867	5/29/2019		6.09%	3796	2452	1362	4280	1243	3037
3309	AUSTRALIAN AVE	Okeechobee Bl	Belvedere Rd	4D	1960	25609	28309	27771	30897	33481	30915	2/19/2019	-7.66%	3.64%	2650	1790	860	3175	1023	2195
3610	AUSTRALIAN AVE	Belvedere Rd	PBIA (Turnage Blvd)	6D	2940	31947	33550	35908	36790	40365	42125	2/19/2019	4.36%	5.47%	3759	2673	1086	4071	1411	2701
3658	AUSTRALIAN AVE	PBIA (Turnage Blvd)	Southern Blvd	6D	2940	32646	34707	35292	38312	33411	36886	2/19/2019	10.40%	1.48%	3575	2561	1014	3611	1028	2583
1101	BEELINE HWY	Martin County Line	Indiantown Rd	2	1140	8031	8186	8503		12168	10438	4/1/2019	-14.22%	7.07%	955	635	341	734	305	473
1401	BEELINE HWY	Indiantown Rd	Pratt-Whitney Rd	2	1140	6454	6604	8842			8394	1/14/2019		-1.72%	729	434	308	578	244	334
1411	BEELINE HWY	Pratt-Whitney Rd	Caloosa	4D	3320	12038	13905	17076	15832	16687	17827	4/1/2019	6.83%	1.45%	1916	954	976	1140	594	550
2109	BEELINE HWY	Caloosa	N County Airport	4D	3320	13719	14160	17216	18089	18838	18199	1/14/2019	-3.39%	1.87%	1901	859	1042	1583	1066	519
2101	BEELINE HWY	N County Airport	PGA Blvd	4D	3320	14542	14459	14393		17888	17097	2/5/2019	-4.42%	5.91%	1562	603	977	1429	947	499
2403	BEELINE HWY	PGA Blvd	Northlake Blvd	4D	3320	13686	15237	13737		16143	15219	2/5/2019	-5.72%	3.47%	1326	529	812	1303	857	458
2419	BEELINE HWY	Northlake Blvd	Jog Rd	4D	1960	27018	21969	22626	26014	27414	27564	4/3/2019	0.55%	6.80%	2490	1737	790	2389	944	1445

STN#	ROAD	FROM	TO	LANES	PK HR LOS	DAILY TRAFFIC VOLUMES					2019 DAILY		18-19 GR	3YR GR	2019 AM PEAK HOUR			2019 PM PEAK HOUR		
						2014	2015	2016	2017	2018	VOL	DATE			2-WAY	NB/EB	SB/WB	2-WAY	NB/EB	SB/WB
5626	CONGRESS AVE	Golf Rd	35th Ave SW	6D	2680	35615	36139	36988	37042	38738	36144	1/30/2019	-6.70%	-0.77%	3169	1120	2116	2877	1647	1230
5602	CONGRESS AVE	35th Ave SW	Lake Ida Rd	6D	2680	29551	30608	30272	31280	31428	29339	1/30/2019	-6.65%	-1.04%	2552	1677	891	2505	1156	1411
5630	CONGRESS AVE	Lake Ida Rd	Atlantic Ave	6D	2940	32989	34768	34531	35500	36689	34956	1/30/2019	-4.72%	0.41%	2512	1017	1639	2973	1668	1378
5612	CONGRESS AVE	Atlantic Ave	Lowson Blvd	6D	2680	27833	29209	28705		29325	28212	2/12/2019	-3.80%	-0.58%	2213	900	1442	2610	1639	979
5650	CONGRESS AVE	Lowson Blvd	Linton Blvd	6D	2940	24056	24774	26314	26058	26539	27164	2/12/2019	2.36%	1.07%	2109	852	1335	2441	1394	1063
6204	CONGRESS AVE	Linton Blvd	NW 82nd St	6D	2940	19840	21315		23064	23273	22482	2/19/2019	-3.40%		2439	598	1903	2406	1620	815
6644	CONGRESS AVE	NW 82nd St	Clint Moore Rd	6D	2680	31979	34731		34262	30621	31531	2/19/2019	2.97%		3148	879	2361	3334	2339	1043
6614	CONGRESS AVE	Clint Moore Rd	Yamato Rd	6D	2680	26125			29132	29864	28127	2/19/2019	-5.82%		2803	1550	1304	2751	1008	1746
7024	CR-880	Duda Rd	MLK Bl	2	880	4614	5091	4815	4790	4887	4886	3/13/2019	-0.02%	0.49%	379	305	147	429	182	277
7001	CR-880	Airport Rd	SR-80	2	1140	2498		2495	1947	2319	2424	3/13/2019	4.53%	-0.96%	208	90	92	245	179	68
4641	CRESTHAVEN BLVD	Jog Rd	Sherwood Forest Blv	2	880	8494	8729	8869	9295	9601	9461	2/25/2019	-1.46%	2.18%	676	249	432	780	475	316
4633	CRESTHAVEN BLVD	Sherwood Forest Blvd	Haverhill Rd	2	880	8829	8527	8095	8575	8364	8538	3/11/2019	2.08%	1.79%	619	361	258	694	357	342
4635	CRESTHAVEN BLVD	Haverhill Rd	Military Tr	2	880	8021	7753	8312	8071	8063	8453	3/6/2019	4.84%	0.56%	775	561	214	890	315	405
3440	CRESTWOOD BLVD	Okeechobee Bl	Sparrow Rd	4D	1960	19128	18563	20447	17572	20546	20479	3/4/2019	-0.33%	0.05%	1739	801	971	1878	949	974
3428	CRESTWOOD BLVD	Folsom Rd	Southern Blvd	6D	2940	27994	28120	28285	28689	28712	27625	4/2/2019	-3.79%	-0.78%	2317	879	1438	2391	1317	1123
3846	DIXIE HWY	Banyan Blvd	Okeechobee/Lakevie	2	810	6984	8036	8102	7143	6114	6290	1/28/2019	2.88%	-8.09%	391		391	631		631
3306	DIXIE HWY	Alhambra Pl	17th Ave N	4	1680						23958	3/26/2019			1613	979	691	1930	851	1113
4800	DIXIE HWY	10th Ave N	Lake/Lucerne	4	1680	20211	22278	23596	22868	22218	23829	3/13/2019	7.25%	0.33%	1328	724	641	1864	1002	867
1105	DONALD ROSS RD	Jog Rd	I-95 Interchange	4D	3320	14611	16037	15547		17986	16389	2/5/2019	-8.88%	1.77%	1490	976	531	1357	552	805

STN#	ROAD	FROM	TO	LANES	PK HR LOS	DAILY TRAFFIC VOLUMES					2019 DAILY		18-19 GR	3YR GR	2019 AM PEAK HOUR			2019 PM PEAK HOUR		
						2014	2015	2016	2017	2018	VOL	DATE			2-WAY	NB/EB	SB/WB	2-WAY	NB/EB	SB/WB
5623	LAKE IDA RD	Military Tr	Barwick Rd	4D	1960	17918	19827	20376	20485	20420	22277	4/2/2019	9.09%	3.02%	1665	894	771	1967	973	1001
5605	LAKE IDA RD	Barwick Rd	Congress Ave	4D	1960	27562	28271	28499	28459	30891	29791	1/30/2019	-3.56%	1.49%	2353	879	1495	2639	1464	1195
5307	LAKE IDA RD	Congress Ave	Swinton Ave	4D	1960	19988	21542	20747	21363	24685	24907	1/30/2019	0.90%	6.28%	2229	1447	782	2286	1161	1132
4407	LAKE WORTH RD	Isles Bl	SR-7	4D	1960	26600	26672	27739	28369	28030	28212	1/28/2019	0.65%	0.57%	2572	1543	1039	2497	1207	1338
4401	LAKE WORTH RD	SR 7	Lyons Rd	6D	2680	37381	38065	40990		39252	38109	1/28/2019	-2.91%	-2.40%	3117	1653	1478	3230	1686	1653
4103	LAKE WORTH RD	Lyons Rd	Florida Turnpike	6D	2940	43096	42333	44333		45796	47252	1/28/2019	3.18%	2.15%	4191	2485	1710	3965	1988	2047
4201	LAKE WORTH RD	Florida Turnpike	Pinehurst Dr	6D	2680	38071	39166	39864		42106	41990	1/28/2019	-0.28%	1.75%	3414	1387	2119	3476	1936	1563
4645	LAKE WORTH RD	Pinehurst Dr	Jog Rd	6D	2680	46404	46028	47722	49086	51629	50548	1/28/2019	-2.09%	1.94%	3630	1715	1978	4147	2226	1934
4609	LAKE WORTH RD	Jog Rd	Sherwood Forest Blv	6D	2940	45141	45661	48538	49213	48041	50478	1/28/2019	5.07%	1.31%	3304	1465	1929	4230	2052	2178
4673	LAKE WORTH RD	Sherwood Forest Blvd	Haverhill Rd	6D	2680	43131	41210	44200	44409	44850	44696	4/1/2019	-0.34%	0.37%	3048	1716	1424	3484	1731	1753
4627	LAKE WORTH RD	Haverhill Rd	Military Tr	6D	2940	43957	44371	45507		44984	44830	4/1/2019	-0.34%	-0.50%	2970	1760	1281	3498	1664	1862
4611	LAKE WORTH RD	Military Tr	Kirk Rd	6D	2680	42870	42951	44545		44802	43679	2/4/2019	-2.51%	-0.65%	3317	2017	1300	3472	1682	1842
4647	LAKE WORTH RD	Kirk Rd	Congress Ave	6D	2940	38338	38415		40892	40684	40791	2/4/2019	0.26%		2905	1840	1214	3202	1532	1772
4651	LAKE WORTH RD	Congress Ave	Boutwell Rd	4D	1770	24599	23415			26619	27172	1/16/2019	2.08%		2060	1204	864	2270	1031	1287
4403	LANTANA RD	SR-7	Lyons Rd	4D	1770	15065	15574	16340	16264	17057	17234	1/14/2019	1.04%	1.79%	1435	582	854	1594	893	701
4207	LANTANA RD	Lyons Rd	Hagen Ranch Rd	4D	1960	24724	25977	26822	26691	28535	28262	1/14/2019	-0.96%	1.76%	2275	1047	1296	2601	1469	1147
4669	LANTANA RD	Hagen Ranch Rd	Jog Rd	6D	2940	33772	32219	35348	32971	36116	36095	1/14/2019	-0.06%	0.70%	2908	1534	1377	3275	1669	1606
4619	LANTANA RD	Jog Rd	Haverhill Rd	6D	2940	35604	35845	39735	39406	42984	43695	3/26/2019	1.65%	3.22%	3103	1498	1617	3530	1793	1738
4675	LANTANA RD	Haverhill Rd	Military Tr	6D	2940	42962	42602	45595	47280	47038	46680	1/16/2019	-0.76%	0.79%	3519	2043	1533	3883	1778	2125

STN#	ROAD	FROM	TO	LANES	PK HR LOS	DAILY TRAFFIC VOLUMES					2019 DAILY		18-19 GR	3YR GR	2019 AM PEAK HOUR			2019 PM PEAK HOUR		
						2014	2015	2016	2017	2018	VOL	DATE			2-WAY	NB/EB	SB/WB	2-WAY	NB/EB	SB/WB
3664	MILITARY TRL	Gun Club Rd	Summit Blvd	6D	2940	43700	43230	46815	48247	46313	43680	3/11/2019	-5.69%	-2.28%	3108	1911	1197	3442	1512	1930
3642	MILITARY TRL	Summit Blvd	Forest Hill Blvd	6D	2940	40387	42197	44421		43396	43230	3/11/2019	-0.38%	-0.90%	3123	1890	1244	3194	1532	1662
4206	MILITARY TRL	Forest Hill Blvd	Cresthaven Blvd	6D	2940	43038	45554	44729	44781	44979	44656	3/11/2019	-0.72%	-0.05%	2989	1759	1230	3358	1571	1793
4650	MILITARY TRL	Cresthaven Blvd	10th Ave N	6D	2940	42561	43454	44984	44631	44876	43525	3/11/2019	-3.01%	-1.09%	3317	1619	1698	3359	1751	1634
4618	MILITARY TRL	10th Ave N	Lake Worth Rd	6D	2940	40172	41244	43124		41597	40039	2/4/2019	-3.75%	-2.44%	2918	1464	1506	3174	1814	1441
4602	MILITARY TRL	Lake Worth Rd	Melaleuca Ln	6D	2940	35405	36403	39572	37881	40325	37227	5/29/2019	-7.68%	-2.02%	3060	1333	1750	2906	1539	1372
4632	MILITARY TRL	Melaleuca Ln	Lantana Rd	6D	2940	36585	37727	39119	39687	38582	37190	3/6/2019	-3.61%	-1.67%	2956	1407	1581	3228	1731	1517
4606	MILITARY TRL	Lantana Rd	Hypoluxo Rd	6D	2940	30911	30811	33359	33477	35518	33269	1/16/2019	-6.33%	-0.09%	3061	1632	1429	2778	1430	1362
4636	MILITARY TRL	Hypoluxo Rd	Gateway Blvd	6D	2940	32583	33709	34713	35806	35617	36159	2/26/2019	1.52%	1.37%	3541	1508	2130	3101	1848	1318
5202	MILITARY TRL	Gateway Blvd	Boynton Beach Blvd	6D	2940	34212	34595	37607	38097	40711	37429	3/4/2019	-8.06%	-0.16%	3326	925	2432	3155	1917	1310
5608	MILITARY TRL	Boynton Beach Blvd	Woolbright Rd	6D	2680	31237	31271	33754	36112	36430	35658	3/4/2019	-2.12%	1.85%	3060	949	2111	2895	1864	1168
5614	MILITARY TRL	Woolbright Rd	Flavor Pict Rd	6D	2940	32814	33656	35442	36630	37203	36657	1/30/2019	-1.47%	1.13%	3176	1128	2216	3107	1947	1222
5652	MILITARY TRL	Flavor Pict Rd	Lake Ida Rd	6D	2940	34539	35479	36515	36674	36904	38518	1/22/2019	4.37%	1.80%	3132	1133	2281	3176	2110	1169
5606	MILITARY TRL	Lake Ida Rd	Atlantic Ave	6D	2680	43744	45250	46042	45911	46489	45860	1/14/2019	-1.35%	-0.13%	3255	1551	2308	3908	2324	1584
5618	MILITARY TRL	Atlantic Ave	Linton Blvd	6D	2680	39567	39592	40318	41441	41353	40154	1/14/2019	-2.90%	-0.14%	3148	1292	2308	3374	2156	1218
6202	MILITARY TRL	Linton Blvd	Clint Moore Rd	6D	2680	36757	36976		36519	38434	34668	4/3/2019	-9.80%		2276	1154	1396	2991	1664	1422
6630	MILITARY TRL	Clint Moore Rd	Yamato Rd	6D	2940	40910	41903		39841	43115	39420	1/14/2019	-8.57%		3318	1507	1816	3675	1933	1742
6612	MILITARY TRL	Yamato Rd	Butts Rd	6D	2680	44622	44394		42963	45475	40016	1/14/2019	-12.00%		3570	1764	1958	3865	1976	1889
6600	MILITARY TRL	Butts Rd	Town Center	6D	2680	36828	35697	35835	34772	35708	32799	1/14/2019	-8.15%	-2.91%	2824	1762	1062	3448	1281	2167

Appendix D: TPS Database Sheets

E-W Street: W Atlantic Ave	Input Data	Report Created
N-S STREET: Homewood Blvd	COUNT DATE: 3/4/2019	5/13/2020
TIME PERIOD: AM	CURRENT YEAR: 2019	
GROWTH RATE: %	ANALYSIS YEAR: 2025	
SIGNAL ID: 53125	PSF: 1	

[illegible]

E-W Street: W Atlantic Ave	Input Data	
N-S STREET: Homewood Blvd	COUNT DATE: 3/4/2019	Report Created
TIME PERIOD: PM	CURRENT YEAR: 2019	5/13/2020
GROWTH RATE: %	ANALYSIS YEAR: 2025	
SIGNAL ID: 53125	PSF: 1	

Intersection Volume Development													
Eastbound			Westbound			Northbound			Southbound				
Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		
Diversions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Peak Season Volume	0	0	0	0	0	0	0	0	0	0	0		
Committed Developments												Type	% Complete
1690-2350 South Congress Avenue	0	18	0	0	16	0	0	0	0	0	0	Res	15%
Delray Square outparcel	0	43	1	0	42	0	1	0	0	0	0	Res	82%
Total Committed Developments	0	61	1	0	58	0	1	0	0	0	0		
Total Committed Residential	0	61	1	0	58	0	1	0	0	0	0		
Total Committed Non-Residential	0	0	0	0	0	0	0	0	0	0	0		
Double Count Reduction	0	0	0	0	0	0	0	0	0	0	0		
Total Discounted Committed	0	61	1	0	58	0	1	0	0	0	0		
Historical Growth	0	####	0	0	####	0	0	0	0	0	0		
Comm Dev+1% Growth	0	####	0	0	####	0	0	0	0	0	0		
Growth Volume Used	0	0	0	0	0	0	0	0	0	0	0		
Total Volume	0	18	0	0	16	0	0	0	0	0	0		

A B C D E F G H I J K L M N O

Input Data

E-W Street: W Atlantic Ave
N-S STREET: Congress Ave
TIME PERIOD: AM
GROWTH RATE: 0.82%
SIGNAL ID: 53150

COUNT DATE: 3/5/2018
CURRENT YEAR: 2018
ANALYSIS YEAR: 2025
PSF: 1

Report Created
2/26/2020

Intersection Volume Development

	Eastbound			Westbound			Northbound			Southbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		
Existing Volume	239	1119	470	336	947	306	165	404	227	435	951	214		
Diversions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Peak Season Volume	239	1119	470	336	947	306	165	404	227	435	951	214		
Committed Developments													Type	% Complete
Samar Mixed Use	0	0	0	2	0	0	0	0	2	0	0	0	NR	0%
Depot Square	3	0	0	0	0	4	0	0	0	12	0	9	Res	35%
1690-2350 South Congress Avenue	0	0	5	5	0	0	8	22	8	0	14	0	Res	15%
Atlantic Avenue Mixed Use	0	2	0	0	0	0	0	0	1	1	0	0	NR	0%
Village Square	0	0	0	3	0	0	0	0	15	0	0	0	Res	75%
Delray Beach Western Community Center	3	3	0	2	2	0	0	4	3	0	2	2	NR	0%
Midtown Delray Beach	0	11	0	2	6	1	0	0	3	2	0	0	Res	0%
Delray Square outparcel	2	4	2	0	5	0	3	0	0	0	0	3	Res	82%
Total Committed Developments	8	20	7	14	13	5	11	26	32	15	16	14		
Total Committed Residential	5	15	7	10	11	5	11	22	26	14	14	12		
Total Committed Non-Residential	3	5	0	4	2	0	0	4	6	1	2	2		
Double Count Reduction	1	1	0	1	0	0	0	1	1	0	0	0		
Total Discounted Committed	7	19	7	13	13	5	11	25	31	15	16	14		
Historical Growth	14	66	28	20	56	18	10	24	13	26	56	13		
Comm Dev+1% Growth	24	100	41	37	81	27	23	54	47	46	85	29		
Growth Volume Used	24	100	41	37	81	27	23	54	47	46	85	29		
Total Volume	263	1219	511	373	1028	333	188	458	274	481	1036	243		

Input Data

E-W Street: W Atlantic Ave
N-S STREET: Congress Ave
TIME PERIOD: PM
GROWTH RATE: 0.82%
SIGNAL ID: 53150

COUNT DATE: 3/5/2018
CURRENT YEAR: 2018
ANALYSIS YEAR: 2025
PSF: 1

Report Created
2/26/2020

Intersection Volume Development

	Eastbound			Westbound			Northbound			Southbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		
Existing Volume	251	1138	207	173	1119	349	303	996	339	452	567	304		
Diversions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Peak Season Volume	251	1138	207	173	1119	349	303	996	339	452	567	304		
Committed Developments													Type	% Complete
Samar Mixed Use	0	0	0	5	0	0	0	0	5	0	0	0	NR	0%
Depot Square	10	0	0	0	0	12	0	0	0	7	0	6	Res	35%
1690-2350 South Congress Avenue	0	0	18	18	0	0	16	49	16	0	53	0	Res	15%
Atlantic Avenue Mixed Use	0	3	0	1	4	1	0	0	1	1	0	0	NR	0%
Village Square	0	0	0	14	0	0	0	0	7	0	0	0	Res	75%
Delray Beach Western Community Center	2	2	0	4	4	0	0	2	2	0	4	4	NR	0%
Midtown Delray Beach	0	26	0	14	46	9	0	0	8	5	0	0	Res	0%
Delray Square outparcel	10	22	10	0	22	0	10	0	0	0	0	10	Res	82%
Total Committed Developments	22	53	28	56	76	22	26	51	39	13	57	20		
Total Committed Residential	20	48	28	46	68	21	26	49	31	12	53	16		
Total Committed Non-Residential	2	5	0	10	8	1	0	2	8	1	4	4		
Double Count Reduction	0	1	0	2	2	0	0	0	2	0	1	1		
Total Discounted Committed	22	52	28	54	74	22	26	51	37	13	56	19		
Historical Growth	15	67	12	10	66	21	18	59	20	27	33	18		
Comm Dev+1% Growth	40	134	43	66	155	47	48	123	61	46	97	41		
Growth Volume Used	40	134	43	66	155	47	48	123	61	46	97	41		
Total Volume	291	1272	250	239	1274	396	351	1119	400	498	664	345		

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
					Input Data									
E-W Street: Lake Ida Rd					COUNT DATE: 2/19/2019					Report Created				
N-S STREET: Congress Ave					CURRENT YEAR: 2019					5/13/2020				
TIME PERIOD: AM					ANALYSIS YEAR: 2025									
GROWTH RATE: 1.42%					PSF: 1									
SIGNAL ID: 51850														

Intersection Volume Development														
	Eastbound			Westbound			Northbound			Southbound			Type	% Complete
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		
Diversions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Peak Season Volume	0	0	0	0	0	0	0	0	0	0	0	0		
Committed Developments														
Sterling Records Warehouse	2	0	0	0	0	1	0	9	0	0	2	0	NR	60%
Depot Square	0	3	0	15	8	6	0	0	5	2	0	0	Res	65%
Slomin Family Center	48	0	0	0	0	24	0	31	0	16	20	31	NR	0%
1690-2350 South Congress Avenue	0	0	3	0	0	0	3	0	0	0	0	0	Res	15%
Banyan Creek Elem.	2	6	2	0	8	0	2	0	0	0	0	2	NR	75.80%
Total Committed Developments	52	9	5	15	16	31	5	40	5	18	22	33		
Total Committed Residential	0	3	3	15	8	6	3	0	5	2	0	0		
Total Committed Non-Residential	52	6	2	0	8	25	2	40	0	16	22	33		
Double Count Reduction	10	1	0	0	2	5	0	8	0	3	4	7		
Total Discounted Committed	42	8	5	15	14	26	5	32	5	15	18	26		
Historical Growth	0	0	0	0	0	0	0	0	0	0	0	0		
Comm Dev+1% Growth	0	0	0	0	0	0	0	0	0	0	0	0		
Growth Volume Used	0	0	0	0	0	0	0	0	0	0	0	0		
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0		

					Input Data									
E-W Street: Lake Ida Rd					COUNT DATE: 2/19/2019					Report Created				
N-S STREET: Congress Ave					CURRENT YEAR: 2019					5/13/2020				
TIME PERIOD: PM					ANALYSIS YEAR: 2025									
GROWTH RATE: 1.42%					PSF: 1									
SIGNAL ID: 51850														

Intersection Volume Development														
	Eastbound			Westbound			Northbound			Southbound			Type	% Complete
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		
Diversions	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Peak Season Volume	0	0	0	0	0	0	0	0	0	0	0	0		
Committed Developments														
Sterling Records Warehouse	0	0	0	0	0	0	0	2	0	0	6	1	NR	60%
Depot Square	0	8	0	9	5	4	0	0	15	6	0	0	Res	65%
Slomin Family Center	10	0	0	0	0	5	0	7	0	7	9	14	NR	0%
1690-2350 South Congress Avenue	0	0	9	0	0	0	9	0	0	0	0	0	Res	15%
Banyan Creek Elem.	1	2	1	0	2	0	1	0	0	0	0	1	NR	75.80%
Total Committed Developments	11	10	10	9	7	9	10	9	15	13	15	16		
Total Committed Residential	0	8	9	9	5	4	9	0	15	6	0	0		
Total Committed Non-Residential	11	2	1	0	2	5	1	9	0	7	15	16		
Double Count Reduction	2	0	0	0	0	1	0	2	0	1	3	3		
Total Discounted Committed	9	10	10	9	7	8	10	7	15	12	12	13		
Historical Growth	0	0	0	0	0	0	0	####	0	0	1.16599E+29	####		
Comm Dev+1% Growth	0	0	0	0	0	0	0	####	0	0	1.16599E+29	####		
Growth Volume Used	0	0	0	0	0	0	0	0	0	0	0	0		
Total Volume	0	0	0	0	0	0	0	2	0	0	6	1		

A B C D E F G H I
 Input Data
 ROAD NAME: W Atlantic Ave STATION: 5659 Report Created
 CURRENT YEAR: 2019 FROM: Midpoint 4/8/2020
 ANALYSIS YEAR: 2025 TO: N Congress Ave
 GROWTH RATE: 0% COUNT DATE: 2/11/2019
 PSF: 1

Link Analysis						
AM			PM			
2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB	
2910	1751	1256	3027	1445	1582	
2910	1751	1256	3027	1445	1582	
0	0	0	0	0	0	
2910	1751	1256	3027	1445	1582	

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Midtown Village	NR	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Spodak Dental Office	NR	100%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

GLD					
4880	2680	2680	4880	2680	2680
YES	YES	YES	YES	YES	YES
5150	2830	2830	5150	2830	2830
YES	YES	YES	YES	YES	YES

Input Data
 ROAD NAME: W Atlantic Ave STATION: 5659 Report Created
 CURRENT YEAR: 2019 FROM: Homewood Blvd 4/8/2020
 ANALYSIS YEAR: 2025 TO: Midpoint
 GROWTH RATE: 0% COUNT DATE: 2/11/2019
 PSF: 1

Link Analysis						
AM			PM			
2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB	
2910	1751	1256	3027	1445	1582	
2910	1751	1256	3027	1445	1582	
0	0	0	0	0	0	
2910	1751	1256	3027	1445	1582	

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Midtown Village	NR	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Spodak Dental Office	NR	100%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

GLD					
4880	2680	2680	4880	2680	2680
YES	YES	YES	YES	YES	YES
5150	2830	2830	5150	2830	2830
YES	YES	YES	YES	YES	YES

A B C D E F G H I
 Input Data
 ROAD NAME: Congress Ave STATION: 5630 Report Created
 CURRENT YEAR: 2019 FROM: W Atlantic Ave 4/8/2020
 ANALYSIS YEAR: 2025 TO: Midpoint
 GROWTH RATE: 0.41% COUNT DATE: 1/30/2019
 PSF: 1

Time Period	Link Analysis					
	AM			PM		
Direction	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Existing Volume	2512	1017	1639	2973	1668	1378
Peak Volume	2512	1017	1639	2973	1668	1378
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	2512	1017	1639	2973	1668	1378

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Arbolata Townhomes	Res	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Sterling Records Warehouse	NR	60%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Slomin Family Center	NR	0%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes	6LD					
LOS D Capacity	4880	2940	2940	4880	2940	2940
Link Meets Test 1?	YES	YES	YES	YES	YES	YES
LOS E Capacity	5150	2940	2940	5150	2940	2940
Link Meets Test 2?	YES	YES	YES	YES	YES	YES

Input Data
 ROAD NAME: Congress Ave STATION: 5630 Report Created
 CURRENT YEAR: 2019 FROM: Midpoint 4/8/2020
 ANALYSIS YEAR: 2025 TO: Lake Ida Rd
 GROWTH RATE: 0.41% COUNT DATE: 1/30/2019
 PSF: 1

Time Period	Link Analysis					
	AM			PM		
Direction	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Existing Volume	2512	1017	1639	2973	1668	1378
Peak Volume	2512	1017	1639	2973	1668	1378
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	2512	1017	1639	2973	1668	1378

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Arbolata Townhomes	Res	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Sterling Records Warehouse	NR	60%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Slomin Family Center	NR	0%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes	6LD					
LOS D Capacity	4880	2940	2940	4880	2940	2940
Link Meets Test 1?	YES	YES	YES	YES	YES	YES
LOS E Capacity	5150	2940	2940	5150	2940	2940
Link Meets Test 2?	YES	YES	YES	YES	YES	YES

A B C D E F G H I
 Input Data
 ROAD NAME: Congress Ave STATION: 5630 Report Created
 CURRENT YEAR: 2019 FROM: W Atlantic Ave 4/8/2020
 ANALYSIS YEAR: 2025 TO: Midpoint
 GROWTH RATE: 0.41% COUNT DATE: 1/30/2019
 PSF: 1

Time Period	Link Analysis					
	AM			PM		
Direction	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Existing Volume	2512	1017	1639	2973	1668	1378
Peak Volume	2512	1017	1639	2973	1668	1378
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	2512	1017	1639	2973	1668	1378

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Arbolata Townhomes	Res	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Sterling Records Warehouse	NR	60%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Slomin Family Center	NR	0%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

6LD					
Lanes	4880	2940	2940	4880	2940
LOS D Capacity	YES	YES	YES	YES	YES
Link Meets Test 1?	5150	2940	2940	5150	2940
LOS E Capacity	YES	YES	YES	YES	YES
Link Meets Test 2?					

Input Data
 ROAD NAME: Congress Ave STATION: 5630 Report Created
 CURRENT YEAR: 2019 FROM: Midpoint 4/8/2020
 ANALYSIS YEAR: 2025 TO: Lake Ida Rd
 GROWTH RATE: 0.41% COUNT DATE: 1/30/2019
 PSF: 1

Time Period	Link Analysis					
	AM			PM		
Direction	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Existing Volume	2512	1017	1639	2973	1668	1378
Peak Volume	2512	1017	1639	2973	1668	1378
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	2512	1017	1639	2973	1668	1378

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Arbolata Townhomes	Res	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Sterling Records Warehouse	NR	60%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Slomin Family Center	NR	0%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

6LD					
Lanes	4880	2940	2940	4880	2940
LOS D Capacity	YES	YES	YES	YES	YES
Link Meets Test 1?	5150	2940	2940	5150	2940
LOS E Capacity	YES	YES	YES	YES	YES
Link Meets Test 2?					

A B C D E F G H I
 Input Data
 ROAD NAME: W Atlantic Ave STATION: 5659 Report Created
 CURRENT YEAR: 2019 FROM: Midpoint 4/8/2020
 ANALYSIS YEAR: 2025 TO: N Congress Ave
 GROWTH RATE: 0% COUNT DATE: 2/11/2019
 PSF: 1

Link Analysis						
Time Period	AM			PM		
	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction	2910	1751	1256	3027	1445	1582
Existing Volume	2910	1751	1256	3027	1445	1582
Peak Volume	0	0	0	0	0	0
Diversion(%)	2910	1751	1256	3027	1445	1582
Volume after Diversion						

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Midtown Village	NR	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Spodak Dental Office	NR	100%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes						
GLD						
LOS D Capacity	4880	2680	2680	4880	2680	2680
Link Meets Test 1?	YES	YES	YES	YES	YES	YES
LOS E Capacity	5150	2830	2830	5150	2830	2830
Link Meets Test 2?	YES	YES	YES	YES	YES	YES

Input Data
 ROAD NAME: W Atlantic Ave STATION: 5659 Report Created
 CURRENT YEAR: 2019 FROM: Homewood Blvd 4/8/2020
 ANALYSIS YEAR: 2025 TO: Midpoint
 GROWTH RATE: 0% COUNT DATE: 2/11/2019
 PSF: 1

Link Analysis						
Time Period	AM			PM		
	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction	2910	1751	1256	3027	1445	1582
Existing Volume	2910	1751	1256	3027	1445	1582
Peak Volume	0	0	0	0	0	0
Diversion(%)	2910	1751	1256	3027	1445	1582
Volume after Diversion						

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Coral Trace Office Park	NR	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Midtown Village	NR	100%
Banyan Creek Elem.	NR	75.80%
Maroone Alpha Delray	NR	76%
Spodak Dental Office	NR	100%
Depot Square	Res	65%
Midtown Delray Beach	Res	0%
Delray Square outparcel	Res	82%
Palm Trans South Facility Expansion	Res	0%
1690-2350 South Congress Avenue	Res	15%
Atlantic Avenue Mixed Use	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes						
GLD						
LOS D Capacity	4880	2680	2680	4880	2680	2680
Link Meets Test 1?	YES	YES	YES	YES	YES	YES
LOS E Capacity	5150	2830	2830	5150	2830	2830
Link Meets Test 2?	YES	YES	YES	YES	YES	YES

A B C D E F G H I

Input Data

ROAD NAME: S Swinton Ave STATION: 5808 Report Created
CURRENT YEAR: 2016 FROM: SE 1st St 2/26/2020
ANALYSIS YEAR: 2025 TO: Midpoint
GROWTH RATE: 9.26% COUNT DATE: 2/23/2016
PSF: 1

Link Analysis						
AM			PM			
Time Period	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction	864	344	520	1093	609	500
Existing Volume	864	344	520	1093	609	500
Peak Volume	0	0	0	0	0	0
Diversion(%)	864	344	520	1093	609	500
Volume after Diversion						

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
4.8 Acre 10th Street Site	Res	100%
Lighthouse Complex	NR	0%
Cityscape	NR	50%
Villages at Swinton Square	Res	100%
Villas in the Grove	NR	0%
North Boca Village	NR	75%
The Village at Delray	Res	100%
The 301	Res	0%
Congress Park Apartments	Res	100%
Village Square	Res	50%
Maroone Alpha Delray	NR	100%
New Century Courtyards	Res	100%
SofA District Lofts	Res	0%
Atlantic Plaza	Res	58%
Lintco Shopping Centre	NR	0%
Uptown Delray	Res	0%
4th & 5th Delray	NR	0%
St. Vincent Ferrer Catholic Church & School	NR	65%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes						
2L						
LOS D Capacity	1480	810	810	1480	810	810
Link Meets Test 1?	NO	YES	NO	NO	NO	NO
LOS E Capacity	1570	860	860	1570	860	860
Link Meets Test 2?	NO	YES	NO	NO	NO	NO

Input Data

ROAD NAME: S Swinton Ave STATION: 5808 Report Created
CURRENT YEAR: 2016 FROM: Midpoint 2/26/2020
ANALYSIS YEAR: 2025 TO: SW 10th St
GROWTH RATE: 9.26% COUNT DATE: 2/23/2016
PSF: 1

Link Analysis						
AM			PM			
Time Period	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction	864	344	520	1093	609	500
Existing Volume	864	344	520	1093	609	500
Peak Volume	0	0	0	0	0	0
Diversion(%)	864	344	520	1093	609	500
Volume after Diversion						

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
4.8 Acre 10th Street Site	Res	100%
Lighthouse Complex	NR	0%
Cityscape	NR	50%
Villages at Swinton Square	Res	100%
Villas in the Grove	NR	0%
North Boca Village	NR	75%
The Village at Delray	Res	100%
The 301	Res	0%
Congress Park Apartments	Res	100%
Village Square	Res	50%
Maroone Alpha Delray	NR	100%
New Century Courtyards	Res	100%
SofA District Lofts	Res	0%
Atlantic Plaza	Res	58%
Lintco Shopping Centre	NR	0%
Uptown Delray	Res	0%
4th & 5th Delray	NR	0%
St. Vincent Ferrer Catholic Church & School	NR	65%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes						
2L						
LOS D Capacity	1480	810	810	1480	810	810
Link Meets Test 1?	NO	YES	NO	NO	NO	NO
LOS E Capacity	1570	860	860	1570	860	860
Link Meets Test 2?	NO	YES	NO	NO	NO	NO

A	B	C	D	E	F	G	H	I
	Input Data							
	ROAD NAME: W Atlantic Ave			STATION: 5211			Report Created	
	CURRENT YEAR: 2016			FROM: Midpoint			2/26/2020	
	ANALYSIS YEAR: 2025			TO: N Interstate 95				
	GROWTH RATE: 1.33%			COUNT DATE: 3/14/2016				
				PSF: 1				

Link Analysis

Time Period	AM			PM		
	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction						
Existing Volume	3148	1619	1600	3438	1796	1664
Peak Volume	3148	1619	1600	3438	1796	1664
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	3148	1619	1600	3438	1796	1664

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Coral Trace Office Park	NR	100%
The Village at Delray	Res	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Village Square	Res	50%
Maroone Alpha Delray	NR	100%
Atlantic Plaza	Res	58%
Uptown Delray	Res	0%
Depot Square	Res	0%
Samar Mixed Use	NR	0%
Uptown Atlantic	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes	6LD
LOS D Capacity	4880 2680 2680 4880 2680 2680
Link Meets Test 1?	YES YES YES YES YES YES
LOS E Capacity	5150 2830 2830 5150 2830 2830
Link Meets Test 2?	YES YES YES YES YES YES

	Input Data						Report Created	
	ROAD NAME: W Atlantic Ave			STATION: 5211			2/26/2020	
	CURRENT YEAR: 2016			FROM: N Congress Ave				
	ANALYSIS YEAR: 2025			TO: Midpoint				
	GROWTH RATE: 1.33%			COUNT DATE: 3/14/2016				
				PSF: 1				

Link Analysis

Time Period	AM			PM		
	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction						
Existing Volume	3148	1619	1600	3438	1796	1664
Peak Volume	3148	1619	1600	3438	1796	1664
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	3148	1619	1600	3438	1796	1664

Committed Developments	Type	% Complete
Atlantic High School	NR	100%
Bexley Park	Res	100%
Jefferson Apartments	Res	100%
Coral Trace Office Park	NR	100%
The Village at Delray	Res	100%
Carver Middle School Expansion	NR	100%
Delray Beach Western Community Center	NR	0%
Congress Park Apartments	Res	100%
Village Square	Res	50%
Maroone Alpha Delray	NR	100%
Atlantic Plaza	Res	58%
Uptown Delray	Res	0%
Depot Square	Res	0%
Samar Mixed Use	NR	0%
Uptown Atlantic	NR	0%
Total Committed Developments		
Total Committed Residential		
Total Committed Non-Residential		
Double Count Reduction		
Total Discounted Committed Developments		
Historical Growth		
Comm Dev+1% Growth		
Growth Volume Used		
Total Volume		

Lanes	6LD
LOS D Capacity	4880 2680 2680 4880 2680 2680
Link Meets Test 1?	YES YES YES YES YES YES
LOS E Capacity	5150 2830 2830 5150 2830 2830
Link Meets Test 2?	YES YES YES YES YES YES

A B C D E F G H I
 Input Data
 ROAD NAME: W Atlantic Ave STATION: 5815 Report Created
 CURRENT YEAR: 2016 FROM: MIDPOINT 2/26/2020
 ANALYSIS YEAR: 2025 TO: N Swinton Ave
 GROWTH RATE: 1.62% COUNT DATE: 2/23/2016
 PSF: 1

Link Analysis

Time Period	AM			PM		
Direction	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Existing Volume	1642	884	758	1690	851	908
Peak Volume	1642	884	758	1690	851	908
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	1642	884	758	1690	851	908

Committed Developments							Type	% Complete
Atlantic High School	0	0	0	0	0	0	NR	100%
Coral Trace Office Park	0	0	0	0	0	0	NR	100%
Lighthouse Complex	14	5	9	16	11	6	NR	0%
Cityscape	4	1	3	13	7	6	NR	50%
Villages at Swinton Square	0	0	0	0	0	0	Res	100%
Villas in the Grove	28	15	13	51	22	29	NR	0%
The Village at Delray	0	0	0	0	0	0	Res	100%
Carver Middle School Expansion	0	0	0	0	0	0	NR	100%
The 301	15	3	12	27	16	11	Res	0%
Congress Park Apartments	0	0	0	0	0	0	Res	100%
Village Square	52	42	10	63	21	42	Res	50%
New Century Courtyards	0	0	0	0	0	0	Res	100%
Sofa District Lofts	12	2	10	38	21	17	Res	0%
Trinity Church and School-Day Care	12	6	5	4	2	2	NR	76%
Atlantic Plaza	68	35	33	130	67	64	Res	58%
Fairfield Inn	7	3	4	8	4	4	NR	75%
Uptown Delray	80	32	49	63	37	26	Res	0%
Depot Square	13	10	3	16	6	10	Res	0%
Exxon Expansion	10	5	5	9	5	5	NR	0%
City Market	2	2	1	60	29	31	NR	0%
Samar Mixed Use	33	16	17	77	39	38	NR	0%
Uptown Atlantic	65	35	31	269	123	146	NR	0%
4th & 5th Delray	30	26	4	78	34	44	NR	0%
St. Vincent Ferrer Catholic Church & School	21	12	10	5	2	3	NR	65%
Kolter Hotel	22	13	9	24	12	12	NR	0%
Sofa District Office Building	16	14	2	43	12	31	NR	0%
Total Committed Developments	504	277	230	994	470	527		
Total Committed Residential	240	124	117	337	168	170		
Total Committed Non-Residential	264	153	113	657	302	357		
Double Count Reduction	53	31	23	84	42	43		
Total Discounted Committed Developments	451	246	207	910	428	484		
Historical Growth	255	137	118	263	132	141		
Comm Dev+1% Growth	605	329	278	1068	508	569		
Growth Volume Used	605	329	278	1068	508	569		
Total Volume	2247	1213	1036	2758	1359	1477		

Lanes	4LD					
LOS D Capacity	3220	1770	1770	3220	1770	1770
Link Meets Test 1?	YES	YES	YES	YES	YES	YES
LOS E Capacity	3400	1870	1870	3400	1870	1870
Link Meets Test 2?	YES	YES	YES	YES	YES	YES

Input Data
 ROAD NAME: W Atlantic Ave STATION: 5309 Report Created
 CURRENT YEAR: 2016 FROM: N Interstate 95 2/26/2020
 ANALYSIS YEAR: 2025 TO: MIDPOINT
 GROWTH RATE: 0.04% COUNT DATE: 3/14/2016
 PSF: 1

Link Analysis

Time Period	AM			PM		
Direction	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Existing Volume	3058	1673	1391	3290	1635	1674
Peak Volume	3058	1673	1391	3290	1635	1674
Diversion(%)	0	0	0	0	0	0
Volume after Diversion	3058	1673	1391	3290	1635	1674

Committed Developments							Type	% Complete
Atlantic High School	0	0	0	0	0	0	NR	100%
Coral Trace Office Park	0	0	0	0	0	0	NR	100%
Lighthouse Complex	28	19	9	33	11	22	NR	0%
Cityscape	4	1	3	13	7	6	NR	50%
Villages at Swinton Square	0	0	0	0	0	0	Res	100%
Villas in the Grove	28	15	13	51	22	29	NR	0%
The Village at Delray	0	0	0	0	0	0	Res	100%
Carver Middle School Expansion	0	0	0	0	0	0	NR	100%
The 301	15	3	12	27	16	11	Res	0%
Congress Park Apartments	0	0	0	0	0	0	Res	100%
Village Square	52	42	10	63	21	42	Res	50%
New Century Courtyards	0	0	0	0	0	0	Res	100%
SofA District Lofts	12	2	10	38	21	17	Res	0%
Trinity Church and School-Day Care	12	6	5	4	2	2	NR	76%
Atlantic Plaza	68	35	33	130	67	64	Res	58%
Fairfield Inn	7	4	3	8	4	4	NR	75%
Uptown Delray	80	32	49	63	37	26	Res	0%
Depot Square	13	10	3	16	6	10	Res	0%
Exxon Expansion	10	5	5	9	5	5	NR	0%
City Market	2	2	1	60	29	31	NR	0%
Samar Mixed Use	33	16	17	77	39	38	NR	0%
Uptown Atlantic	65	35	31	269	123	146	NR	0%
4th & 5th Delray	30	26	4	78	34	44	NR	0%
St. Vincent Ferrer Catholic Church & School	21	12	10	5	2	3	NR	65%
Kolter Hotel	22	13	9	24	12	12	NR	0%
Sofa District Office Building	16	14	2	43	12	31	NR	0%
Total Committed Developments	518	292	229	1011	470	543		
Total Committed Residential	240	124	117	337	168	170		
Total Committed Non-Residential	278	168	112	674	302	373		
Double Count Reduction	56	31	22	84	42	43		
Total Discounted Committed Developments	462	261	207	927	428	500		
Historical Growth	11	6	5	12	6	6		
Comm Dev+1% Growth	748	418	337	1235	581	657		
Growth Volume Used	748	418	337	1235	581	657		
Total Volume	3806	2091	1728	4525	2216	2331		

Lanes	4LD					
LOS D Capacity	3220	1770	1770	3220	1770	1770
Link Meets Test 1?	NO	NO	YES	NO	NO	NO
LOS E Capacity	3400	1870	1870	3400	1870	1870
Link Meets Test 2?	NO	NO	YES	NO	NO	NO

A B C D E F G H I
 Input Data
 ROAD NAME: Atlantic Ave STATION: 5817 Report Created
 CURRENT YEAR: 2016 FROM: Midpoint 2/26/2020
 ANALYSIS YEAR: 2025 TO: NE 5th Ave
 GROWTH RATE: 0.11% COUNT DATE: 3/14/2016
 PSF: 1

Link Analysis						
Time Period	AM			PM		
	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction	646	343	306	780	386	408
Existing Volume	646	343	306	780	386	408
Peak Volume	0	0	0	0	0	0
Diversion(%)	646	343	306	780	386	408
Volume after Diversion	646	343	306	780	386	408

Committed Developments						Type	% Complete
Atlantic High School	0	0	0	0	0	NR	100%
Lighthouse Complex	18	6	12	21	14	7	NR
Cityscape	4	1	3	13	7	6	NR
Villages at Swinton Square	0	0	0	0	0	0	Res
Villas in the Grove	7	7	9	29	16	13	NR
The 301	12	9	3	20	8	12	Res
Congress Park Apartments	0	0	0	0	0	0	Res
New Century Courtyards	0	0	0	0	0	0	Res
SofA District Lofts	21	17	4	63	29	35	Res
Trinity Church and School-Day Care	8	4	4	3	1	1	NR
Atlantic Plaza	75	39	37	145	74	71	Res
Fairfield Inn	6	2	3	6	3	3	NR
Uptown Delray	80	32	49	63	37	26	Res
Depot Square	5	4	1	6	2	4	Res
Exxon Expansion	10	5	5	9	5	5	NR
City Market	2	2	1	60	29	31	NR
Samar Mixed Use	25	12	13	58	29	28	NR
Uptown Atlantic	32	15	17	134	73	61	NR
4th & 5th Delray	30	26	4	78	34	44	NR
St. Vincent Ferrer Catholic Church & School	20	11	9	5	2	2	NR
The Lisa Building	0	0	0	10	5	5	NR
Kolter Hotel	22	13	9	24	12	12	NR
SofA District Office Building	5	1	5	14	10	4	NR
Total Committed Developments	391	206	188	761	390	370	
Total Committed Residential	193	101	94	297	150	148	
Total Committed Non-Residential	198	105	94	464	240	222	
Double Count Reduction	40	21	19	74	38	37	
Total Discounted Committed Developments	351	185	169	687	352	333	
Historical Growth	6	3	3	8	4	4	
Comm Dev+1% Growth	412	217	198	760	388	371	
Growth Volume Used	412	217	198	760	388	371	
Total Volume	1058	560	504	1540	774	779	
Lanes	2L						
LOS D Capacity	1480	810	810	1480	810	810	
Link Meets Test 1?	YES	YES	YES	NO	YES	YES	
LOS E Capacity	1570	860	860	1570	860	860	
Link Meets Test 2?	YES	YES	YES	YES	YES	YES	

Input Data
 ROAD NAME: Atlantic Ave STATION: 5817 Report Created
 CURRENT YEAR: 2016 FROM: N Swinton Ave 2/26/2020
 ANALYSIS YEAR: 2025 TO: Midpoint
 GROWTH RATE: 0.11% COUNT DATE: 3/14/2016
 PSF: 1

Link Analysis						
Time Period	AM			PM		
	2-way	NB/EB	SB/WB	2-way	NB/EB	SB/WB
Direction	646	343	306	780	386	408
Existing Volume	646	343	306	780	386	408
Peak Volume	0	0	0	0	0	0
Diversion(%)	646	343	306	780	386	408
Volume after Diversion	646	343	306	780	386	408

Committed Developments						Type	% Complete
Atlantic High School	0	0	0	0	0	NR	100%
Lighthouse Complex	18	6	12	21	14	7	NR
Cityscape	4	1	3	13	7	6	NR
Villages at Swinton Square	0	0	0	0	0	0	Res
Villas in the Grove	16	7	9	29	16	13	NR
The 301	12	9	3	20	8	12	Res
Congress Park Apartments	0	0	0	0	0	0	Res
New Century Courtyards	0	0	0	0	0	0	Res
SofA District Lofts	21	17	4	63	29	35	Res
Trinity Church and School-Day Care	8	4	4	3	1	1	NR
Atlantic Plaza	75	39	37	145	74	71	Res
Fairfield Inn	6	2	3	6	3	3	NR
Uptown Delray	80	32	49	63	37	26	Res
Depot Square	5	4	1	6	2	4	Res
Exxon Expansion	10	5	5	9	5	5	NR
City Market	2	2	1	60	29	31	NR
Samar Mixed Use	25	12	13	58	29	28	NR
Uptown Atlantic	32	15	17	134	73	61	NR
4th & 5th Delray	30	26	4	78	34	44	NR
St. Vincent Ferrer Catholic Church & School	20	11	9	5	2	2	NR
The Lisa Building	0	0	0	10	5	5	NR
Kolter Hotel	22	13	9	24	12	12	NR
SofA District Office Building	5	1	5	14	10	4	NR
Total Committed Developments	391	206	188	761	390	370	
Total Committed Residential	193	101	94	297	150	148	
Total Committed Non-Residential	198	105	94	464	240	222	
Double Count Reduction	40	21	19	74	38	37	
Total Discounted Committed Developments	351	185	169	687	352	333	
Historical Growth	6	3	3	8	4	4	
Comm Dev+1% Growth	412	217	198	760	388	371	
Growth Volume Used	412	217	198	760	388	371	
Total Volume	1058	560	504	1540	774	779	
Lanes	2L						
LOS D Capacity	1480	810	810	1480	810	810	
Link Meets Test 1?	YES	YES	YES	NO	YES	YES	
LOS E Capacity	1570	860	860	1570	860	860	
Link Meets Test 2?	YES	YES	YES	YES	YES	YES	

Appendix E: Critical Movement Analysis

CRITICAL MOVEMENT ANALYSIS
AURA DELRAY BEACH
W ALTANTIC AVENUE & CONGRESS AVENUE
 BACKGROUND CONDITIONS: EXISITNG GEOMETRY

Growth Rate = 1.00%
 Peak Season = 1.00 1.00
 Buildout Year = 2025 2025
 Years = 7 7

PM Peak Hour

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 03/05/2018	303	996	339	452	567	304	251	1,138	207	173	1,119	349
Peak Season Volume	303	996	339	452	567	304	251	1,138	207	173	1,119	349
Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25
Committed Development from TPS	26	51	37	13	56	19	22	52	28	54	74	22
1.0% Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25
Committed + 1.0% Growth	48	123	61	46	97	41	40	134	43	66	155	47
Max (Committed + 1.0% or Historic Growth)	48	123	61	46	97	41	40	134	43	66	155	47
Background Traffic Volumes	351	1,119	400	498	664	345	291	1,272	250	239	1,274	396
Total Traffic w/o RTOR	351	1,119	400	498	664	345	291	1,272	250	239	1,274	396
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	351	1,119	340	498	664	335	291	1,272	190	239	1,274	336

Critical Volume Analysis

No. of Lanes	2	3	1	2	3	<	1	3	1	1	2	1
Approach Volume	1,810			1,497			1,753			1,849		
Per Lane Volume	176	373	340	249	333		291	424	190	239	637	336
Overlap Reduction	0	0	(239)	0	0		0	0	(176)	0	0	(249)
Net Per Lane Volume	176	373	101	249	333		291	424	14	239	637	87
North-South Critical	NB LT + SB TH = 509						SB LT + NB TH = 622					
East-West Critical	EB LT + WB TH = 928						WB LT + EB TH = 663					
Maximum Critical Sum	622 + 928						= 1,550					

STATUS ?

OVER

CRITICAL MOVEMENT ANALYSIS
AURA DELRAY BEACH
W ALTANTIC AVENUE & CONGRESS AVENUE
 BACKGROUND CONDITIONS: PROPOSED GEOMETRY

Growth Rate = 1.00%
 Peak Season = 1.00 1.00
 Buildout Year = 2025 2025
 Years = 7 7

AM Peak Hour

PM Peak Hour

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 03/05/2018	303	996	339	452	567	304	251	1,138	207	173	1,119	349
Peak Season Volume	303	996	339	452	567	304	251	1,138	207	173	1,119	349
Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25
Committed Development from TPS	26	51	37	13	56	19	22	52	28	54	74	22
1.0% Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25
Committed + 1.0% Growth	48	123	61	46	97	41	40	134	43	66	155	47
Max (Committed + 1.0% or Historic Growth)	48	123	61	46	97	41	40	134	43	66	155	47
Background Traffic Volumes	351	1,119	400	498	664	345	291	1,272	250	239	1,274	396
Total Traffic w/o RTOR	351	1,119	400	498	664	345	291	1,272	250	239	1,274	396
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	351	1,119	340	498	664	335	291	1,272	190	239	1,274	336

Critical Volume Analysis

No. of Lanes	2	3	1	2	3	<	1	3	1	1	3	1
Approach Volume	1,810			1,497			1,753			1,849		
Per Lane Volume	176	373	340	249	333		291	424	190	239	425	336
Overlap Reduction	0	0	(239)	0	0		0	0	(176)	0	0	(249)
Net Per Lane Volume	176	373	101	249	333		291	424	14	239	425	87
North-South Critical	NB LT + SB TH = 509						SB LT + NB TH = 622					
East-West Critical	EB LT + WB TH = 716						WB LT + EB TH = 663					
Maximum Critical Sum	622			+	716			=	1,338			

STATUS ?

NEAR

Growth Rate =	1.00%	
Peak Season =	1.00	1.00
Buildout Year =	2025	2025
Years =	7	7

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 03/05/2018	165	404	227	435	951	214	239	1,119	470	336	947	306
Peak Season Volume	165	404	227	435	951	214	239	1,119	470	336	947	306
Traffic Volume Growth	12	29	16	31	69	15	17	81	34	24	68	22
Committed Development from TPS	11	25	31	15	16	14	7	19	7	13	13	5
1.0% Traffic Volume Growth	12	29	16	31	69	15	17	81	34	24	68	22
Committed + 1.0% Growth	23	54	47	46	85	29	24	100	41	37	81	27
Max (Committed + 1.0% or Historic Growth)	23	54	47	46	85	29	24	100	41	37	81	27
Background Traffic Volumes	188	458	274	481	1,036	243	263	1,219	511	373	1,028	333
Residential Project Traffic	15.0% 4						20.0% 5				50.0% 14	
Inbound Traffic Assignment												
Inbound Traffic Volumes												
Outbound Traffic Assignment	4	0	0	27	12	0	5	23	0	0	14	0
Outbound Traffic Volumes												
Project Traffic												
Commercial Project Traffic	15.0% 7						15.0% 7					20.0% 9
Inbound Traffic Assignment												
Inbound Traffic Volumes												
Outbound Traffic Assignment	0	7	0	32	7	7	7	0	0	0	0	9
Outbound Traffic Volumes												
Project Traffic												
Total Traffic w/o RTOR	192	465	274	540	1,055	250	275	1,242	511	373	1,042	342
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	192	465	214	540	1,055	240	275	1,242	451	373	1,042	282

[illegible]

	Northbound			Southbound			Eastbound			Westbound			
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	
Existing Volume on 03/05/2018	303	996	339	452	567	304	251	1,138	207	173	1,119	349	
Peak Season Volume	303	996	339	452	567	304	251	1,138	207	173	1,119	349	
Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25	
Committed Development from TPS	26	51	37	13	56	19	22	52	28	54	74	22	
1.0% Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25	
Committed + 1.0% Growth	48	123	61	46	97	41	40	134	43	66	155	47	
Max (Committed + 1.0% or Historic Growth)	48	123	61	46	97	41	40	134	43	66	155	47	
Background Traffic Volumes	351	1,119	400	498	664	345	291	1,272	250	239	1,274	396	
Project Traffic	Inbound Traffic Assignment Inbound Traffic Volumes	15.0% 12					20.0% 16				50.0% 39		
	Outbound Traffic Assignment Outbound Traffic Volumes			35.0% 18	15.0% 8			30.0% 15					
Project Traffic	Project Traffic	12	0	0	18	8	0	16	15	0	0	39	0
	Inbound Traffic Assignment Inbound Traffic Volumes		15.0% 3				15.0% 3					20.0% 4	
	Outbound Traffic Assignment Outbound Traffic Volumes			70.0% 15	15.0% 3	15.0% 3							
	Project Traffic	0	3	0	15	3	3	3	0	0	0	0	4
Total Traffic w/o RTOR	363	1,122	400	531	675	348	310	1,287	250	239	1,313	400	
RTOR Reduction			(60)			(10)			(60)			(60)	
TOTAL TRAFFIC	363	1,122	340	531	675	338	310	1,287	190	239	1,313	340	

No. of Lanes	2	3	1	2	3	<	1	3	1	1	2	1
Approach Volume	1,825			1,544			1,787			1,892		
Per Lane Volume	182	374	340	266	338		310	429	190	239	657	340
Overlap Reduction	0	0	(239)	0	0		0	0	(182)	0	0	(266)
Net Per Lane Volume	182	374	101	266	338		310	429	8	239	657	74
North-South Critical	NB LT + SB TH = 520						SB LT + NB TH = 640					
East-West Critical	EB LT + WB TH = 967						WB LT + EB TH = 668					
Maximum Critical Sum	640			+	967		=	1,607				
STATUS ?						OVER						

Growth Rate =	1.00%	
Peak Season =	1.00	1.00
Buildout Year =	2025	2025
Years =	7	7

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 03/05/2018	165	404	227	435	951	214	239	1,119	470	336	947	306
Peak Season Volume	165	404	227	435	951	214	239	1,119	470	336	947	306
Traffic Volume Growth	12	29	16	31	69	15	17	81	34	24	68	22
Committed Development from TPS	11	25	31	15	16	14	7	19	7	13	13	5
1.0% Traffic Volume Growth	12	29	16	31	69	15	17	81	34	24	68	22
Committed + 1.0% Growth	23	54	47	46	85	29	24	100	41	37	81	27
Max (Committed + 1.0% or Historic Growth)	23	54	47	46	85	29	24	100	41	37	81	27
Background Traffic Volumes	188	458	274	481	1,036	243	263	1,219	511	373	1,028	333
Residential Project Traffic												
Inbound Traffic Assignment	15.0%						20.0%				50.0%	
Inbound Traffic Volumes	4						5				14	
Outbound Traffic Assignment				35.0%	15.0%			30.0%				
Outbound Traffic Volumes				27	12			23				
Project Traffic	4	0	0	27	12	0	5	23	0	0	14	0
Commercial Project Traffic												
Inbound Traffic Assignment		15.0%					15.0%				20.0%	
Inbound Traffic Volumes		7					7				9	
Outbound Traffic Assignment				70.0%	15.0%	15.0%						
Outbound Traffic Volumes				32	7	7						
Project Traffic	0	7	0	32	7	7	7	0	0	0	0	9
Total Traffic w/o RTOR	192	465	274	540	1,055	250	275	1,242	511	373	1,042	342
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	192	465	214	540	1,055	240	275	1,242	451	373	1,042	282

[illegible]

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 03/05/2018	303	996	339	452	567	304	251	1,138	207	173	1,119	349
Peak Season Volume	303	996	339	452	567	304	251	1,138	207	173	1,119	349
Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25
Committed Development from TPS	26	51	37	13	56	19	22	52	28	54	74	22
1.0% Traffic Volume Growth	22	72	24	33	41	22	18	82	15	12	81	25
Committed + 1.0% Growth	48	123	61	46	97	41	40	134	43	66	155	47
Max (Committed + 1.0% or Historic Growth)	48	123	61	46	97	41	40	134	43	66	155	47
Background Traffic Volumes	351	1,119	400	498	664	345	291	1,272	250	239	1,274	396
Project Traffic												
Inbound Traffic Assignment	15.0%						20.0%				50.0%	
Inbound Traffic Volumes	12						16				39	
Outbound Traffic Assignment				35.0%	15.0%			30.0%				
Outbound Traffic Volumes				18	8			15				
Project Traffic	12	0	0	18	8	0	16	15	0	0	39	0
Project Traffic												
Inbound Traffic Assignment		15.0%					15.0%				20.0%	
Inbound Traffic Volumes		3					3				4	
Outbound Traffic Assignment				70.0%	15.0%	15.0%						
Outbound Traffic Volumes				15	3	3						
Project Traffic	0	3	0	15	3	3	3	0	0	0	0	4
Total Traffic w/o RTOR	363	1,122	400	531	675	348	310	1,287	250	239	1,313	400
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	363	1,122	340	531	675	338	310	1,287	190	239	1,313	340

No. of Lanes	2	3	1	2	3	<	1	3	1	1	3	1
Approach Volume	1,825			1,544			1,787			1,892		
Per Lane Volume	182	374	340	266	338		310	429	190	239	438	340
Overlap Reduction	0	0	(239)	0	0		0	0	(182)	0	0	(266)
Net Per Lane Volume	182	374	101	266	338		310	429	8	239	438	74
North-South Critical	NB LT + SB TH = 520						SB LT + NB TH =				640	
East-West Critical	EB LT + WB TH = 748						WB LT + EB TH =				668	
Maximum Critical Sum	640			+	748		=	1,388				
STATUS ?						NEAR						

Growth Rate =	1.00%	
Peak Season =	1.00	1.00
Buildout Year =	2025	2025
Years =	6	6

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 03/04/2019	152	5	113	34	25	24	15	1,782	260	146	1,099	29
Peak Season Volume	152	5	113	34	25	24	15	1,782	260	146	1,099	29
Traffic Volume Growth	9	0	7	2	2	1	1	110	16	9	68	2
Committed Development from TPS	0	0	0	0	0	0	0	14	0	0	21	0
1.0% Traffic Volume Growth	9	0	7	2	2	1	1	110	16	9	68	2
Committed + 1.0% Growth	9	0	7	2	2	1	1	124	16	9	89	2
Max (Committed + 1.0% or Historic Growth)	9	0	7	2	2	1	1	124	16	9	89	2
Background Traffic Volumes	161	5	120	36	27	25	16	1,906	276	155	1,188	31
Residential Project Traffic												
Inbound Traffic Assignment			2.0%					18.0%				
Inbound Traffic Volumes			1					5				
Outbound Traffic Assignment									2.0%	18.0%		
Outbound Traffic Volumes									2	14		
Project Traffic	0	0	1	0	0	0	0	5	0	2	14	0
Commercial Project Traffic												
Inbound Traffic Assignment			5.0%					10.0%				
Inbound Traffic Volumes			2					5				
Outbound Traffic Assignment									5.0%	10.0%		
Outbound Traffic Volumes									2	5		
Project Traffic	0	0	2	0	0	0	0	5	0	2	5	0
Total Traffic w/o RTOR	161	5	123	36	27	25	16	1,916	276	159	1,207	31
RTOR Reduction			(10)			(60)			(10)			(10)
TOTAL TRAFFIC	161	5	113	36	27	0	16	1,916	266	159	1,207	21

[illegible]

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 03/04/2019	257	20	105	35	15	25	35	1,604	206	140	1,524	45
Peak Season Volume	257	20	105	35	15	25	35	1,604	206	140	1,524	45
Traffic Volume Growth	16	1	6	2	1	2	2	99	13	9	94	3
Committed Development from TPS	1	0	0	0	0	0	0	61	1	0	58	0
1.0% Traffic Volume Growth	16	1	6	2	1	2	2	99	13	9	94	3
Committed + 1.0% Growth	17	1	6	2	1	2	2	160	14	9	152	3
Max (Committed + 1.0% or Historic Growth)	17	1	6	2	1	2	2	160	14	9	152	3
Background Traffic Volumes	274	21	111	37	16	27	37	1,764	220	149	1,676	48
Project Traffic												
Inbound Traffic Assignment			2.0%					18.0%				
Inbound Traffic Volumes			2					14				
Outbound Traffic Assignment									2.0%		18.0%	
Outbound Traffic Volumes									1		9	
Project Traffic	0	0	2	0	0	0	0	14	0	1	9	0
Project Traffic												
Inbound Traffic Assignment			5.0%					10.0%				
Inbound Traffic Volumes			1					2				
Outbound Traffic Assignment									5.0%		10.0%	
Outbound Traffic Volumes									1		2	
Project Traffic	0	0	1	0	0	0	0	2	0	1	2	0
Total Traffic w/o RTOR	274	21	114	37	16	27	37	1,780	220	151	1,687	48
RTOR Reduction			(10)			(60)			(10)			(10)
TOTAL TRAFFIC	274	21	104	37	16	0	37	1,780	210	151	1,687	38

No. of Lanes	1	1	<	>	1	1	1	3	<	1	3	<
Approach Volume	399			53			2,027			1,876		
Per Lane Volume	274	125		53	0		37	663		151	575	
Overlap Reduction	0	0		0	0		0	0		0	0	
Net Per Lane Volume	274	125		53	0		37	663		151	575	
North-South Critical	NB LT + SB TH = 327					SB LT + NB TH = 178						
East-West Critical	EB LT + WB TH = 612					WB LT + EB TH = 814						
Maximum Critical Sum	327			+ 814			= 1,141					
STATUS ?				UNDER								

CRITICAL MOVEMENT ANALYSIS
AURA DELRAY BEACH
CONGRESS AVENUE & LAKE IDA ROAD
BACKGROUND CONDITIONS: EXISTING GEOMETRY

Growth Rate = 1.00%
Peak Season = 1.00 1.00
Buildout Year = 2025 2025
Years = 6 6

PM Peak Hour

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 02/19/2019	468	963	208	304	894	320	280	641	275	270	888	244
Peak Season Volume	468	963	208	304	894	320	280	641	275	270	888	244
Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed Development from TPS	10	7	15	12	12	13	9	10	10	9	7	8
1.0% Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed + 1.0% Growth	39	66	28	31	67	33	26	49	27	26	62	23
Max (Committed + 1.0% or Historic Growth)	39	66	28	31	67	33	26	49	27	26	62	23
Background Traffic Volumes	507	1,029	236	335	961	353	306	690	302	296	950	267
Total Traffic w/o RTOR	507	1,029	236	335	961	353	306	690	302	296	950	267
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	507	1,029	176	335	961	343	306	690	242	296	950	207

Critical Volume Analysis

No. of Lanes	2	3	<	2	3	<	1	2	1	1	2	1
Approach Volume	1,712			1,639			1,238			1,453		
Per Lane Volume	254	402		168	435		306	345	242	296	475	207
Overlap Reduction	0	0		0	0		0	0	(242)	0	0	(168)
Net Per Lane Volume	254	402		168	435		306	345	0	296	475	39
North-South Critical	NB LT + SB TH =			689			SB LT + NB TH =			570		
East-West Critical	EB LT + WB TH =			781			WB LT + EB TH =			641		
Maximum Critical Sum	689			+ 781			=			1,470		

STATUS ?

OVER

Growth Rate =	1.00%	
Peak Season =	1.00	1.00
Buildout Year =	2025	2025
Years =	6	6

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 02/19/2019	468	963	208	304	894	320	280	641	275	270	888	244
Peak Season Volume	468	963	208	304	894	320	280	641	275	270	888	244
Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed Development from TPS	10	7	15	12	12	13	9	10	10	9	7	8
1.0% Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed + 1.0% Growth	39	66	28	31	67	33	26	49	27	26	62	23
Max (Committed + 1.0% or Historic Growth)	39	66	28	31	67	33	26	49	27	26	62	23
Background Traffic Volumes	507	1,029	236	335	961	353	306	690	302	296	950	267
Total Traffic w/o RTOR	507	1,029	236	335	961	353	306	690	302	296	950	267
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	507	1,029	176	335	961	343	306	690	242	296	950	207

No. of Lanes	2	3	<	2	3	<	2	2	1	1	2	1
Approach Volume	1,712			1,639			1,238			1,453		
Per Lane Volume	254	402		168	435		153	345	242	296	475	207
Overlap Reduction	0	0		0	0		0	0	(242)	0	0	(168)
Net Per Lane Volume	254	402		168	435		153	345	0	296	475	39
North-South Critical	NB LT + SB TH =			689			SB LT + NB TH =			570		
East-West Critical	EB LT + WB TH =			628			WB LT + EB TH =			641		
Maximum Critical Sum	689			+			641			= 1,330		
STATUS ?				NEAR								

Growth Rate =	1.00%	
Peak Season =	1.00	1.00
Buildout Year =	2025	2025
Years =	6	6

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 02/19/2019	181	526	150	410	1,503	180	237	779	522	219	715	141
Peak Season Volume	181	526	150	410	1,503	180	237	779	522	219	715	141
Traffic Volume Growth	11	32	9	25	92	11	15	48	32	13	44	9
Committed Development from TPS	5	32	5	15	18	26	42	8	5	15	14	26
1.0% Traffic Volume Growth	11	32	9	25	92	11	15	48	32	13	44	9
Committed + 1.0% Growth	16	64	14	40	110	37	57	56	37	28	58	35
Max (Committed + 1.0% or Historic Growth)	16	64	14	40	110	37	57	56	37	28	58	35
Background Traffic Volumes	197	590	164	450	1,613	217	294	835	559	247	773	176
Residential Project Traffic												
Inbound Traffic Assignment					9.0%				2.0%	6.0%		
Inbound Traffic Volumes					2				1	2		
Outbound Traffic Assignment	2.0%	9.0%	6.0%									
Outbound Traffic Volumes	2	7	5									
Project Traffic	2	7	5	0		0	0	0	1	2	0	0
Commercial Project Traffic												
Inbound Traffic Assignment					20.0%				20.0%	10.0%		
Inbound Traffic Volumes					9				9	5		
Outbound Traffic Assignment	20.0%	20.0%	10.0%									
Outbound Traffic Volumes	9	9	5									
Project Traffic	9	9	5	0	9	0	0	0	9	5	0	0
Total Traffic w/o RTOR	208	606	174	450	1,624	217	294	835	569	254	773	176
RTOR Reduction			(10)			(10)			(60)			(60)
TOTAL TRAFFIC	208	606	164	450	1,624	207	294	835	509	254	773	116

No. of Lanes	2	3	<	2	3	<	1	2	1	1	2	1
Approach Volume	978			2,281			1,638			1,143		
Per Lane Volume	104	257		225	610		294	418	509	254	387	116
Overlap Reduction	0	0		0	0		0	0	(104)	0	0	(116)
Net Per Lane Volume	104	257		225	610		294	418	405	254	387	0
North-South Critical	NB LT + SB TH =			714			SB LT + NB TH =			482		
East-West Critical	EB LT + WB TH =			681			WB LT + EB TH =			672		
Maximum Critical Sum	714			+			681			= 1,395		
STATUS ?				NEAR								

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 02/19/2019	468	963	208	304	894	320	280	641	275	270	888	244
Peak Season Volume	468	963	208	304	894	320	280	641	275	270	888	244
Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed Development from TPS	10	7	15	12	12	13	9	10	10	9	7	8
1.0% Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed + 1.0% Growth	39	66	28	31	67	33	26	49	27	26	62	23
Max (Committed + 1.0% or Historic Growth)	39	66	28	31	67	33	26	49	27	26	62	23
Background Traffic Volumes	507	1,029	236	335	961	353	306	690	302	296	950	267
Project Traffic												
Inbound Traffic Assignment					9.0%				2.0%	6.0%		
Inbound Traffic Volumes					7				2	5		
Outbound Traffic Assignment			6.0%									
Outbound Traffic Volumes	2.0%	9.0%	3									
Project Traffic	1	5	3	0	7	0	0	0	2	5	0	0
Project Traffic												
Inbound Traffic Assignment					20.0%				20.0%	10.0%		
Inbound Traffic Volumes					4				4	2		
Outbound Traffic Assignment	20.0%	20.0%	10.0%									
Outbound Traffic Volumes	4	4	2									
Project Traffic	4	4	2	0	4	0	0	0	4	2	0	0
Total Traffic w/o RTOR	512	1,038	241	335	972	353	306	690	308	303	950	267
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	512	1,038	181	335	972	343	306	690	248	303	950	207

No. of Lanes	2	3	<	2	3	<	1	2	1	1	2	1
Approach Volume	1,731			1,650			1,244			1,460		
Per Lane Volume	256	406		168	438		306	345	248	303	475	207
Overlap Reduction	0	0		0	0		0	0	(248)	0	0	(168)
Net Per Lane Volume	256	406		168	438		306	345	0	303	475	39
North-South Critical	NB LT + SB TH = 694						SB LT + NB TH = 574					
East-West Critical	EB LT + WB TH = 781						WB LT + EB TH = 648					
Maximum Critical Sum	694			+			781			= 1,475		
STATUS ?							OVER					

CRITICAL MOVEMENT ANALYSIS
AURA DELRAY BEACH
CONGRESS AVENUE & LAKE IDA ROAD
 FUTURE TOTAL CONDITIONS: BACKGROUND PROPOSED GEOMETRY

Growth Rate = 1.00%
 Peak Season = 1.00 1.00
 Buildout Year = 2025 2025
 Years = 6 6

PM Peak Hour

	Northbound			Southbound			Eastbound			Westbound		
	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT	LT	Thru	RT
Existing Volume on 02/19/2019	468	963	208	304	894	320	280	641	275	270	888	244
Peak Season Volume	468	963	208	304	894	320	280	641	275	270	888	244
Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed Development from TPS	10	7	15	12	12	13	9	10	10	9	7	8
1.0% Traffic Volume Growth	29	59	13	19	55	20	17	39	17	17	55	15
Committed + 1.0% Growth	39	66	28	31	67	33	26	49	27	26	62	23
Max (Committed + 1.0% or Historic Growth)	39	66	28	31	67	33	26	49	27	26	62	23
Background Traffic Volumes	507	1,029	236	335	961	353	306	690	302	296	950	267
Project Traffic												
Inbound Traffic Assignment					9.0%				2.0%	6.0%		
Inbound Traffic Volumes					7				2	5		
Outbound Traffic Assignment	2.0%	9.0%	6.0%									
Outbound Traffic Volumes	1	5	3									
Project Traffic	1	5	3	0	7	0	0	0	2	5	0	0
Project Traffic												
Inbound Traffic Assignment					20.0%				20.0%	10.0%		
Inbound Traffic Volumes					4				4	2		
Outbound Traffic Assignment	20.0%	20.0%	10.0%									
Outbound Traffic Volumes	4	4	2									
Project Traffic	4	4	2	0	4	0	0	0	4	2	0	0
Total Traffic w/o RTOR	512	1,038	241	335	972	353	306	690	308	303	950	267
RTOR Reduction			(60)			(10)			(60)			(60)
TOTAL TRAFFIC	512	1,038	181	335	972	343	306	690	248	303	950	207

Critical Volume Analysis

No. of Lanes	2	3	<	2	3	<	2	2	1	1	2	1
Approach Volume	1,731			1,650			1,244			1,460		
Per Lane Volume	256	406		168	438		153	345	248	303	475	207
Overlap Reduction	0	0		0	0		0	0	(248)	0	0	(168)
Net Per Lane Volume	256	406		168	438		153	345	0	303	475	39
North-South Critical	NB LT + SB TH =			694			SB LT + NB TH =			574		
East-West Critical	EB LT + WB TH =			628			WB LT + EB TH =			648		
Maximum Critical Sum	694			+	648			=	1,342			

STATUS ?

NEAR

Appendix F: Signal Timing Worksheet

SYSTEM TIMING SHEET

DATE TIMING INSTALLED: _____

INTERSECTION:	WEST ATLANTIC AVENUE AND CONGRESS AVENUE				CONTROLLER TYPE: NAZTEC	
SYSTEM:	W. ATLANTIC AVE				SIGNAL # 53150	SYSTEM # 4725

TOD SCHEDULER						
WEEKDAY				WEEKEND		
TIME	PATTERN	TIME	PATTERN	TIME	PATTERN	PATTERN
0:00	21	7:00	2	0:00	21	21
9:00	1	15:00	3			
19:00	21					

TIMING PLANS												
PATTERN		1	2	3	4	5	6					
CYCLE LENGTH (SEC)		140	160	150	120							
OFFSET (SEC)		136	48	8	0							
COORDINATED PHASE		2	2	2	2							
SEQUENCE		11	11	10	1							
ALT TIMING PLAN		1	2	3	4							
		SPLIT	MODE	SPLIT	MODE	SPLIT	MODE	SPLIT	MODE			
FORCE-OFF 1 (SEC)	EBLT	26	NON	31	NON	28	NON	19	NON			
FORCE-OFF 2 (SEC)	WB	52	MAX	61	MAX	57	MAX	48	MAX			
FORCE-OFF 3 (SEC)	SBLT	24	NON	30	NON	27	NON	19	NON			
FORCE-OFF 4 (SEC)	NB	38	NON	38	NON	38	NON	34	NON			
FORCE-OFF 5 (SEC)	WBLT	27	NON	42	NON	32	NON	19	NON			
FORCE-OFF 6 (SEC)	EB	51	MAX	50	MAX	53	MAX	48	MAX			
FORCE-OFF 7 (SEC)	NBLT	22	NON	18	NON	24	NON	19	NON			
FORCE-OFF 8 (SEC)	SB	40	NON	50	NON	41	NON	34	NON			

Special Features:

- 1)
- 2)
- 3)

TIMING DESIGNED BY:	RONALD TIBBETTS				DATE:	1/30/2020
APPROVED BY:	LEE GAO, P.E. PTOE				DATE:	1/31/2020

[1.1.6.1] ALTERNATE TIMING SHEET

INTERSECTION: WEST ATLANTIC AVENUE AND CONGRESS AVENUE

SIGNAL # 53150

SYSTEM # 4725

ALT TIMING PLAN 1												ALT TIMING PLAN 2											
MIN	GAP	MAX	1	2	YELLOW	RED	WALK	PED	ASSIGNED	BIKE	MIN	GAP	MAX	1	2	YELLOW	RED	WALK	PED	ASSIGNED	BIKE		
4.0	2.0	20.0	25.0	4.0	3.5	0.0	0.0	0.0	0.0	0.0	1	4.0	2.0	25.0	24.0	4.0	3.5	0.0	0.0	0.0	0.0		
10.0	4.0	65.0	41.0	4.0	3.5	7.0	36.0	2	2	2	10.0	4.0	65.0	41.0	4.0	3.5	7.0	36.0	2	2	2		
4.0	2.0	20.0	28.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	3	4.0	2.0	25.0	30.0	5.0	2.0	0.0	0.0	0.0	0.0		
10.0	4.0	42.0	20.0	4.0	2.0	7.0	24.0	4	4	4	10.0	4.0	42.0	35.0	4.0	2.0	7.0	24.0	4	4	4		
4.0	3.0	25.0	30.0	4.0	3.5	0.0	0.0	0.0	0.0	0.0	5	4.0	3.0	35.0	34.0	4.0	3.5	0.0	0.0	0.0	0.0		
10.0	4.0	65.0	41.0	4.0	3.5	7.0	35.0	6	6	6	10.0	4.0	65.0	41.0	4.0	3.5	7.0	35.0	6	6	6		
4.0	2.0	20.0	20.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	7	4.0	2.0	20.0	15.0	5.0	2.0	0.0	0.0	0.0	0.0		
10.0	4.0	45.0	25.0	5.0	2.0	7.0	26.0	8	8	8	10.0	4.0	45.0	45.0	5.0	2.0	7.0	26.0	8	8	8		

ALT TIMING PLAN 3												ALT TIMING PLAN 4											
MIN	GAP	MAX	1	2	YELLOW	RED	WALK	PED	ASSIGNED	BIKE	MIN	GAP	MAX	1	2	YELLOW	RED	WALK	PED	ASSIGNED	BIKE		
4.0	2.0	25.0	23.0	4.0	3.5	0.0	0.0	0.0	0.0	0.0	1	4.0	2.0	20.0	8.0	4.0	3.5	0.0	0.0	0.0	0.0		
10.0	4.0	65.0	41.0	4.0	3.5	7.0	36.0	2	2	2	10.0	4.0	65.0	41.0	4.0	3.5	7.0	36.0	2	2	2		
4.0	2.0	25.0	25.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	3	4.0	2.0	20.0	17.0	5.0	2.0	0.0	0.0	0.0	0.0		
10.0	4.0	40.0	40.0	5.0	2.0	7.0	24.0	4	4	4	10.0	4.0	30.0	21.0	5.0	2.0	7.0	24.0	4	4	4		
4.0	3.0	30.0	27.0	4.0	3.5	0.0	0.0	0.0	0.0	0.0	5	4.0	3.0	20.0	11.0	4.0	3.5	0.0	0.0	0.0	0.0		
10.0	4.0	65.0	41.0	4.0	3.5	7.0	35.0	6	6	6	10.0	4.0	65.0	41.0	4.0	3.5	7.0	35.0	6	6	6		
4.0	2.0	20.0	20.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	7	4.0	2.0	20.0	8.0	5.0	2.0	0.0	0.0	0.0	0.0		
10.0	4.0	45.0	35.0	5.0	2.0	7.0	26.0	8	8	8	10.0	4.0	30.0	34.0	5.0	2.0	7.0	26.0	8	8	8		

ALT TIMING PLAN 5													
MIN GREEN	GAP TIME	MAX 1	MAX 2	YELLOW	RED CLEAR	WALK	PED CLEAR	ASSIGNED PHASE	BIKE CLEAR				
1										ALT TIMING PLAN 1			
2										ALT TIMING PLAN 2			
3										ALT TIMING PLAN 3			
4										ALT TIMING PLAN 4			
5										ALT TIMING PLAN 5			
6													
7													
8													

APPROVED BY:		LEE GAO, P.E. PTOE			
TIMING DESIGNED BY:		RONALD TIBBETTS			
DATE		1/30/2020		1/31/2020	
NOTES:					

NOTES:

TIMING DESIGNED BY: RONALD TIBBETTS

LEE GAO, P.E. PTOE

APPROVED BY:

DATE

1/30/2020

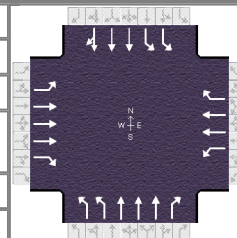
1/31/2020

Appendix G: HCS Output Sheets

HCS7 Signalized Intersection Results Summary

General Information

Agency	KHA		
Analyst	MAG	Analysis Date	Apr 8, 2020
Jurisdiction	Delray Beach	Time Period	Existing AM Peak Hour
Urban Street		Analysis Year	2018
Intersection	Congress Ave & Atlantic...	File Name	Existing AM.xus
Project Description	Aura Delray Beach		



Demand Information

	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	239	1119	470	336	947	306	165	404	227	435	951	214

Signal Information

Cycle, s	160.0	Reference Phase	2								
Offset, s	0	Reference Point	End								
Uncoordinated	No	Simult. Gap E/W	On								
Force Mode	Fixed	Simult. Gap N/S	On								
				Green	24.5	1.7	47.5	10.0	6.0	26.9	
				Yellow	4.0	4.0	4.0	5.0	5.0	5.0	
				Red	3.5	3.5	3.5	2.0	2.0	2.0	

Timer Results

	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	2.0	3.0	2.0	3.0	2.0	3.0	2.0	4.0
Phase Duration, s	32.0	55.0	41.2	64.2	17.0	33.9	29.9	46.8
Change Period, ($Y+R_c$), s	7.5	7.5	7.5	7.5	7.0	7.0	7.0	7.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0	3.1	3.1	3.1	3.1
Queue Clearance Time (g_s), s	24.3		33.3		9.9	14.4	22.9	36.7
Green Extension Time (g_e), s	0.2	0.0	0.4	0.0	0.0	4.5	0.0	3.2
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	0.77		0.18		1.00	0.09	1.00	0.47

Movement Group Results

	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (v), veh/h	252	1178	432	354	997	259	174	425	176	458	836	380
Adjusted Saturation Flow Rate (s), veh/h/ln	1781	1698	1585	1781	1781	1585	1730	1698	1585	1730	1870	1698
Queue Service Time (g_s), s	22.3	33.8	42.1	31.3	40.1	20.2	7.9	12.1	12.4	20.9	34.6	34.7
Cycle Queue Clearance Time (g_c), s	22.3	33.8	42.1	31.3	40.1	20.2	7.9	12.1	12.4	20.9	34.6	34.7
Green Ratio (g/C)	0.15	0.30	0.30	0.21	0.35	0.35	0.06	0.17	0.38	0.14	0.25	0.25
Capacity (c), veh/h	272	1513	471	375	1263	562	215	856	600	496	931	423
Volume-to-Capacity Ratio (X)	0.924	0.778	0.917	0.943	0.789	0.461	0.806	0.497	0.293	0.924	0.897	0.900
Back of Queue (Q), ft/ln (95 th percentile)	458.5	540.1	693.1	599.4	652	331.9	181.7	228.9	215.4	410.8	617.9	592.1
Back of Queue (Q), veh/ln (95 th percentile)	18.1	21.3	27.3	23.6	25.7	13.1	7.2	9.0	8.5	16.2	24.3	23.7
Queue Storage Ratio (RQ) (95 th percentile)	1.31	0.00	3.08	2.00	0.00	0.88	0.81	0.00	0.78	1.83	0.00	0.00
Uniform Delay (d_1), s/veh	66.9	51.4	54.3	62.2	46.3	39.8	74.1	60.4	34.8	67.7	58.1	58.1
Incremental Delay (d_2), s/veh	28.8	4.0	25.2	26.4	5.1	2.7	14.9	0.2	0.1	22.6	9.2	17.9
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	95.7	55.4	79.5	88.6	51.3	42.5	89.0	60.6	34.9	90.3	67.3	76.1
Level of Service (LOS)	F	E	E	F	D	D	F	E	C	F	E	E
Approach Delay, s/veh / LOS	66.4	E		58.1	E		61.1	E		75.6	E	
Intersection Delay, s/veh / LOS	66.1						E					

Multimodal Results

	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.94	C	2.74	C	2.70	C	2.69	C
Bicycle LOS Score / LOS	1.51	B	1.82	B	0.91	A	1.41	A

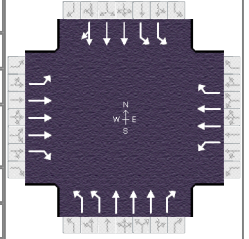
HCS7 Signalized Intersection Results Summary

General Information						Intersection Information													
Agency		KHA				Duration, h		0.250											
Analyst		MAG		Analysis Date		Apr 8, 2020		Area Type		Other									
Jurisdiction		Delray Beach		Time Period		Existing PM Peak Hour		PHF		0.95									
Urban Street				Analysis Year		2018		Analysis Period		1> 7:00									
Intersection		Congress Ave & Atlantic...		File Name		Existing PM.xus													
Project Description		Aura Delray Beach																	
Demand Information				EB			WB			NB			SB						
Approach Movement				L	T	R	L	T	R	L	T	R	L	T	R				
Demand (v), veh/h				251	1138	207	173	1119	349	303	996	339	452	567	304				
Signal Information																			
Cycle, s	150.0	Reference Phase	2																
Offset, s	0	Reference Point	End																
Uncoordinated	No	Simult. Gap E/W	On																
Force Mode	Fixed	Simult. Gap N/S	On	Green	17.3	3.2	49.5	15.8	4.2	31.0									
				Yellow	4.0	0.0	4.0	5.0	0.0	5.0									
				Red	3.5	0.0	3.5	2.0	0.0	2.0									
Timer Results				EBL		EBT		WBL		WBT		NBL		NBT		SBL		SBT	
Assigned Phase				1		6		5		2		7		4		3		8	
Case Number				2.0		3.0		2.0		3.0		2.0		3.0		2.0		4.0	
Phase Duration, s				28.0		60.2		24.8		57.0		22.8		38.0		27.0		42.2	
Change Period, (Y+R c), s				7.5		7.5		7.5		7.5		7.0		7.0		7.0		7.0	
Max Allow Headway (MAH), s				3.1		0.0		3.1		0.0		3.1		3.1		3.1		3.1	
Queue Clearance Time (g s), s				22.5				17.1				15.6		32.8		22.0		29.8	
Green Extension Time (g e), s				0.0		0.0		0.2		0.0		0.1		0.0		0.0		3.2	
Phase Call Probability				1.00				1.00				1.00		1.00		1.00		1.00	
Max Out Probability				1.00				0.01				1.00		1.00		1.00		0.75	
Movement Group Results				EB			WB			NB			SB						
Approach Movement				L	T	R	L	T	R	L	T	R	L	T	R				
Assigned Movement				1	6	16	5	2	12	7	4	14	3	8	18				
Adjusted Flow Rate (v), veh/h				264	1198	155	182	1178	304	319	1048	294	476	597	309				
Adjusted Saturation Flow Rate (s), veh/h/ln				1781	1698	1585	1781	1781	1585	1730	1698	1585	1730	1870	1585				
Queue Service Time (g s), s				20.5	29.9	10.5	15.1	49.5	23.9	13.6	30.8	23.1	20.0	21.8	27.8				
Cycle Queue Clearance Time (g c), s				20.5	29.9	10.5	15.1	49.5	23.9	13.6	30.8	23.1	20.0	21.8	27.8				
Green Ratio (g/C)				0.14	0.35	0.35	0.12	0.33	0.33	0.11	0.21	0.32	0.13	0.23	0.23				
Capacity (c), veh/h				243	1790	557	205	1175	523	363	1053	510	461	879	372				
Volume-to-Capacity Ratio (X)				1.085	0.669	0.278	0.887	1.002	0.582	0.878	0.996	0.576	1.032	0.679	0.831				
Back of Queue (Q), ft/ln (95 th percentile)				557.7	474.5	195.3	313.7	877.7	386.2	284.6	565.9	360.2	455.4	399.4	457.4				
Back of Queue (Q), veh/ln (95 th percentile)				22.0	18.7	7.7	12.4	34.6	15.2	11.2	22.3	14.2	17.9	15.7	18.3				
Queue Storage Ratio (RQ) (95 th percentile)				1.59	0.00	0.87	1.05	0.00	1.03	1.27	0.00	1.31	2.02	0.00	0.00				
Uniform Delay (d 1), s/veh				64.8	41.2	35.0	65.4	50.3	41.7	66.2	59.4	42.3	65.0	52.2	54.5				
Incremental Delay (d 2), s/veh				82.3	2.0	1.2	16.3	26.8	4.7	17.7	26.6	1.0	50.2	1.8	13.9				
Initial Queue Delay (d 3), s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Control Delay (d), s/veh				147.0	43.3	36.2	81.7	77.1	46.3	83.8	86.1	43.4	115.2	54.0	68.4				
Level of Service (LOS)				F	D	D	F	F	D	F	F	D	F	D	E				
Approach Delay, s/veh / LOS				59.5		E		71.9		E		78.1		E		78.3		E	
Intersection Delay, s/veh / LOS				71.8						E									
Multimodal Results				EB			WB			NB			SB						
Pedestrian LOS Score / LOS				2.93		C		2.74		C		2.69		C		2.69		C	
Bicycle LOS Score / LOS				1.38		A		1.86		B		1.40		A		1.25		A	

HCS7 Signalized Intersection Results Summary

General Information

Agency	KHA	Analysis Date	Apr 8, 2020	Duration, h	0.250
Analyst	MAG	Time Period	Background AM Peak Hour	Area Type	Other
Jurisdiction	Delray Beach	Analysis Year	2025	PHF	0.95
Urban Street		File Name	Background AM.xus	Analysis Period	1 > 7:00
Intersection	Congress Ave & Atlantic...				
Project Description	Aura Delray Beach				



Demand Information

	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	263	1219	511	373	1028	333	188	458	274	481	1036	243

Signal Information

Cycle, s	160.0	Reference Phase	2											
Offset, s	0	Reference Point	End	Green	24.4	3.5	42.5	11.0	5.0	30.1				
Uncoordinated	No	Simult. Gap E/W	On	Yellow	4.0	4.0	4.0	5.0	5.0	5.0				
Force Mode	Fixed	Simult. Gap N/S	On	Red	3.5	3.5	3.5	2.0	2.0	2.0				

Timer Results

	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	2.0	3.0	2.0	3.0	2.0	3.0	2.0	4.0
Phase Duration, s	31.9	50.0	42.9	61.0	18.0	37.1	30.0	49.1
Change Period, (Y+R c), s	7.5	7.5	7.5	7.5	7.0	7.0	7.0	7.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0	3.1	3.1	3.1	3.1
Queue Clearance Time (g s), s	26.4		37.2		11.0	17.7	25.0	40.5
Green Extension Time (g e), s	0.0	0.0	0.0	0.0	0.0	4.8	0.0	1.6
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	0.22	1.00	1.00

Movement Group Results

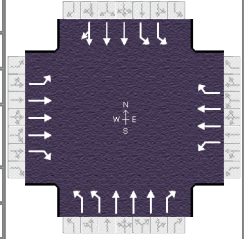
	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (v), veh/h	277	1283	475	393	1082	287	198	482	225	506	920	416
Adjusted Saturation Flow Rate (s), veh/h/ln	1781	1698	1585	1781	1781	1585	1730	1698	1585	1730	1870	1691
Queue Service Time (g s), s	24.4	39.6	42.5	35.2	46.5	23.6	9.0	13.6	15.7	23.0	38.5	38.5
Cycle Queue Clearance Time (g c), s	24.4	39.6	42.5	35.2	46.5	23.6	9.0	13.6	15.7	23.0	38.5	38.5
Green Ratio (g/C)	0.15	0.27	0.27	0.22	0.33	0.33	0.07	0.19	0.41	0.14	0.26	0.26
Capacity (c), veh/h	272	1353	421	395	1191	530	238	957	649	497	983	445
Volume-to-Capacity Ratio (X)	1.018	0.948	1.128	0.995	0.909	0.542	0.832	0.504	0.347	1.018	0.935	0.936
Back of Queue (Q), ft/ln (95 th percentile)	564.6	656.1	959.3	714.5	769	381.6	209.3	250	257.5	492.6	697.6	671.4
Back of Queue (Q), veh/ln (95 th percentile)	22.2	25.8	37.8	28.1	30.3	15.0	8.2	9.8	10.1	19.4	27.5	26.9
Queue Storage Ratio (RQ) (95 th percentile)	1.61	0.00	4.26	2.38	0.00	1.02	0.93	0.00	0.94	2.19	0.00	0.00
Uniform Delay (d 1), s/veh	67.8	57.7	58.7	62.2	50.9	43.3	73.6	58.3	32.5	68.5	57.6	57.7
Incremental Delay (d 2), s/veh	59.1	14.9	83.4	43.9	11.7	3.9	20.4	0.2	0.1	45.0	14.8	26.2
Initial Queue Delay (d 3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	126.9	72.5	142.2	106.1	62.6	47.2	94.0	58.4	32.6	113.5	72.4	83.8
Level of Service (LOS)	F	E	F	F	E	D	F	E	C	F	E	F
Approach Delay, s/veh / LOS	96.2		F	69.8		E	59.8		E	86.3		F
Intersection Delay, s/veh / LOS	81.3						F					

Multimodal Results

	EB			WB			NB			SB		
Pedestrian LOS Score / LOS	2.94		C	2.74		C	2.70		C	2.69		C
Bicycle LOS Score / LOS	1.61		B	1.94		B	0.99		A	1.50		B

HCS7 Signalized Intersection Results Summary

General Information					Intersection Information	
Agency	KHA			Duration, h	0.250	
Analyst	MAG			Analysis Date	Apr 8, 2020	
Jurisdiction	Delray Beach			Time Period	Background PM Peak Hour	
Urban Street				Analysis Year	2025	
Intersection	Congress Ave & Atlantic...			Analysis Period	1 > 7:00	
Project Description	Aura Delray Beach			File Name	Background PM.xus	



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	291	1272	250	239	1274	396	351	1119	400	498	664	345

Signal Information												
Cycle, s	150.0	Reference Phase	2									
Offset, s	0	Reference Point	End									
Uncoordinated	No	Simult. Gap E/W	On	Green	20.5	2.5	47.0	17.0	3.0	31.0		
				Yellow	4.0	0.0	4.0	5.0	0.0	5.0		
Force Mode	Fixed	Simult. Gap N/S	On	Red	3.5	0.0	3.5	2.0	0.0	2.0		

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	2.0	3.0	2.0	3.0	2.0	3.0	2.0	4.0
Phase Duration, s	28.0	54.5	30.5	57.0	24.0	38.0	27.0	41.0
Change Period, ($Y+R_c$), s	7.5	7.5	7.5	7.5	7.0	7.0	7.0	7.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0	3.1	3.1	3.1	3.1
Queue Clearance Time (g_s), s	22.5		22.9		17.9	33.0	22.0	35.2
Green Extension Time (g_e), s	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	1.00	1.00	1.00

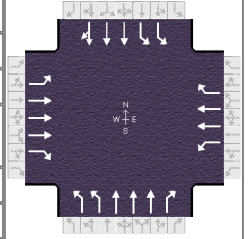
Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (v), veh/h	306	1339	200	252	1341	354	369	1178	358	524	699	353
Adjusted Saturation Flow Rate (s), veh/h/ln	1781	1698	1585	1781	1781	1585	1730	1698	1585	1730	1870	1585
Queue Service Time (g_s), s	20.5	36.7	14.9	20.9	49.5	28.9	15.9	31.0	28.0	20.0	26.7	33.2
Cycle Queue Clearance Time (g_c), s	20.5	36.7	14.9	20.9	49.5	28.9	15.9	31.0	28.0	20.0	26.7	33.2
Green Ratio (g/C)	0.14	0.31	0.31	0.15	0.33	0.33	0.11	0.21	0.36	0.13	0.23	0.23
Capacity (c), veh/h	243	1597	497	273	1175	523	392	1053	570	461	848	359
Volume-to-Capacity Ratio (X)	1.258	0.838	0.402	0.922	1.141	0.676	0.942	1.119	0.627	1.137	0.824	0.981
Back of Queue (Q), ft/ln (95 th percentile)	734.9	580.3	260	442.3	1200.9	458.1	342.8	728.1	422.3	548.2	487.8	606.4
Back of Queue (Q), veh/ln (95 th percentile)	28.9	22.8	10.2	17.4	47.3	18.0	13.5	28.7	16.6	21.6	19.2	24.3
Queue Storage Ratio (RQ) (95 th percentile)	2.10	0.00	1.16	1.47	0.00	1.22	1.52	0.00	1.54	2.44	0.00	0.00
Uniform Delay (d_1), s/veh	64.8	47.9	40.5	62.6	50.3	43.3	66.0	59.5	39.7	65.0	55.2	57.7
Incremental Delay (d_2), s/veh	145.1	5.4	2.4	31.1	74.1	6.9	30.7	66.4	1.7	84.9	6.2	42.3
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	209.8	53.4	42.9	93.7	124.4	50.2	96.7	125.9	41.4	149.9	61.4	99.9
Level of Service (LOS)	F	D	D	F	F	D	F	F	D	F	E	F
Approach Delay, s/veh / LOS	78.2		E	106.9		F	104.3		F	99.5		F
Intersection Delay, s/veh / LOS	97.4						F					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.93	C	2.74	C	2.69	C	2.69	C
Bicycle LOS Score / LOS	1.50	B	2.09	B	1.54	B	1.35	A

HCS7 Signalized Intersection Results Summary

General Information

Agency	KHA	Analysis Date	Apr 8, 2020	Duration, h	0.250
Analyst	MAG	Time Period	Future Total AM Peak Hour	Area Type	Other
Jurisdiction	Delray Beach	Analysis Year	2025	PHF	0.95
Urban Street		File Name	Future Total AM.xus	Analysis Period	1 > 7:00
Intersection	Congress Ave & Atlantic...				
Project Description	Aura Delray Beach				



Demand Information

	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	275	1242	511	373	1042	342	192	465	274	540	1055	250

Signal Information

Cycle, s	160.0	Reference Phase	2											
Offset, s	0	Reference Point	End	Green	24.0	3.5	42.5	11.0	5.0	30.5				
Uncoordinated	No	Simult. Gap E/W	On	Yellow	4.0	4.0	4.0	5.0	5.0	5.0				
Force Mode	Fixed	Simult. Gap N/S	On	Red	3.5	3.5	3.5	2.0	2.0	2.0				

Timer Results

	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	2.0	3.0	2.0	3.0	2.0	3.0	2.0	4.0
Phase Duration, s	31.5	50.0	42.5	61.0	18.0	37.5	30.0	49.5
Change Period, (Y+R _c), s	7.5	7.5	7.5	7.5	7.0	7.0	7.0	7.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0	3.1	3.1	3.1	3.1
Queue Clearance Time (g _s), s	26.0		37.0		11.2	17.7	25.0	41.4
Green Extension Time (g _e), s	0.0	0.0	0.0	0.0	0.0	4.9	0.0	1.1
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	0.23	1.00	1.00

Movement Group Results

	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (v), veh/h	289	1307	475	393	1097	297	202	489	225	568	939	424
Adjusted Saturation Flow Rate (s), veh/h/ln	1781	1698	1585	1781	1781	1585	1730	1698	1585	1730	1870	1689
Queue Service Time (g _s), s	24.0	40.6	42.5	35.0	47.4	24.5	9.2	13.8	15.7	23.0	39.4	39.4
Cycle Queue Clearance Time (g _c), s	24.0	40.6	42.5	35.0	47.4	24.5	9.2	13.8	15.7	23.0	39.4	39.4
Green Ratio (g/C)	0.15	0.27	0.27	0.22	0.33	0.33	0.07	0.19	0.41	0.14	0.27	0.27
Capacity (c), veh/h	267	1353	421	390	1191	530	238	970	649	497	993	448
Volume-to-Capacity Ratio (X)	1.082	0.966	1.128	1.007	0.921	0.560	0.850	0.504	0.347	1.143	0.946	0.946
Back of Queue (Q), ft/ln (95 th percentile)	619.3	679.3	959.3	724.1	787.4	394.9	215.6	252.6	257.5	611.9	718.2	691.6
Back of Queue (Q), veh/ln (95 th percentile)	24.4	26.7	37.8	28.5	31.0	15.5	8.5	9.9	10.1	24.1	28.3	27.7
Queue Storage Ratio (RQ) (95 th percentile)	1.77	0.00	4.26	2.41	0.00	1.05	0.96	0.00	0.94	2.72	0.00	0.00
Uniform Delay (d ₁), s/veh	68.0	58.0	58.7	62.5	51.2	43.6	73.7	58.0	32.5	68.5	57.6	57.6
Incremental Delay (d ₂), s/veh	78.7	17.6	83.4	47.3	12.9	4.2	23.1	0.2	0.1	86.0	16.5	28.5
Initial Queue Delay (d ₃), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	146.6	75.6	142.2	109.8	64.2	47.8	96.8	58.2	32.6	154.5	74.2	86.1
Level of Service (LOS)	F	E	F	F	E	D	F	E	C	F	E	F
Approach Delay, s/veh / LOS	100.8		F	71.5		E	60.4		E	100.4		F
Intersection Delay, s/veh / LOS	87.4						F					

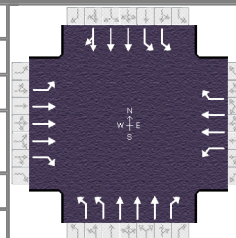
Multimodal Results

	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.94	C	2.74	C	2.70	C	2.69	C
Bicycle LOS Score / LOS	1.63	B	1.96	B	0.99	A	1.55	B

HCS7 Signalized Intersection Results Summary

General Information

Agency	KHA				Duration, h	0.250
Analyst	MAG	Analysis Date	Apr 8, 2020	Area Type	Other	
Jurisdiction	Delray Beach	Time Period	Future Total PM Peak Hour	PHF	0.95	
Urban Street		Analysis Year	2025	Analysis Period	1 > 7:00	
Intersection	Congress Ave & Atlantic...	File Name	Future Total PM.xus			
Project Description	Aura Delray Beach					



Demand Information

	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (v), veh/h	310	1287	250	239	1313	400	363	1122	400	531	675	348

Signal Information

Cycle, s	150.0	Reference Phase	2								
Offset, s	0	Reference Point	End								
Uncoordinated	No	Simult. Gap E/W	On								
Force Mode	Fixed	Simult. Gap N/S	On								
	Green	20.5	2.5	47.0	17.0	3.0	31.0				
	Yellow	4.0	0.0	4.0	5.0	0.0	5.0				
	Red	3.5	0.0	3.5	2.0	0.0	2.0				

Timer Results

	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	7	4	3	8
Case Number	2.0	3.0	2.0	3.0	2.0	3.0	2.0	4.0
Phase Duration, s	28.0	54.5	30.5	57.0	24.0	38.0	27.0	41.0
Change Period, ($Y+R_c$), s	7.5	7.5	7.5	7.5	7.0	7.0	7.0	7.0
Max Allow Headway (MAH), s	3.1	0.0	3.1	0.0	3.1	3.1	3.1	3.1
Queue Clearance Time (g_s), s	22.5		22.9		18.5	33.0	22.0	35.6
Green Extension Time (g_e), s	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	1.00	1.00	1.00

Movement Group Results

	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	7	4	14	3	8	18
Adjusted Flow Rate (v), veh/h	326	1355	200	252	1382	358	382	1181	358	559	711	356
Adjusted Saturation Flow Rate (s), veh/h/ln	1781	1698	1585	1781	1781	1585	1730	1698	1585	1730	1870	1585
Queue Service Time (g_s), s	20.5	37.3	14.9	20.9	49.5	29.3	16.5	31.0	28.0	20.0	27.2	33.6
Cycle Queue Clearance Time (g_c), s	20.5	37.3	14.9	20.9	49.5	29.3	16.5	31.0	28.0	20.0	27.2	33.6
Green Ratio (g/C)	0.14	0.31	0.31	0.15	0.33	0.33	0.11	0.21	0.36	0.13	0.23	0.23
Capacity (c), veh/h	243	1597	497	273	1175	523	392	1053	570	461	848	359
Volume-to-Capacity Ratio (X)	1.340	0.848	0.402	0.922	1.176	0.684	0.975	1.122	0.627	1.212	0.838	0.990
Back of Queue (Q), ft/ln (95 th percentile)	827.4	589.5	260	442.3	1297	464.6	365.2	732.7	422.3	624.5	498.7	618.3
Back of Queue (Q), veh/ln (95 th percentile)	32.6	23.2	10.2	17.4	51.1	18.3	14.4	28.8	16.6	24.6	19.6	24.7
Queue Storage Ratio (RQ) (95 th percentile)	2.36	0.00	1.16	1.47	0.00	1.24	1.62	0.00	1.54	2.78	0.00	0.00
Uniform Delay (d_1), s/veh	64.8	48.2	40.5	62.6	50.3	43.5	66.3	59.5	39.7	65.0	55.4	57.8
Incremental Delay (d_2), s/veh	178.2	5.8	2.4	31.1	88.4	7.1	38.5	67.5	1.7	114.0	7.0	44.7
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	243.0	54.0	42.9	93.7	138.7	50.6	104.8	127.0	41.4	179.0	62.4	102.5
Level of Service (LOS)	F	D	D	F	F	D	F	F	D	F	E	F
Approach Delay, s/veh / LOS	85.6		F	117.1		F	106.6		F	111.3		F
Intersection Delay, s/veh / LOS	105.1						F					

Multimodal Results

	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.93	C	2.74	C	2.69	C	2.69	C
Bicycle LOS Score / LOS	1.52	B	2.13	B	1.54	B	1.38	A