

# ROOFTOP CINEMA CLUB

## OPERATIONAL DETAILS

### 1212 Lincoln

The outdoor motion picture theater will be operated according to the following:

- **Deliveries and Trash** -- The use will utilize the building's unified loading and service areas as approved through Conditional Use Permit File 2325. A fully enclosed trash room is located in the rear of the building serving the use.
- **Hours of Operation** -- Maximum hours of operation will be 4:30 PM to 12:00 AM on weekdays and 1:00 AM on weekends. The accessory bar counter and food concessions will cease operations no later than 11:00 PM on weekdays and 12:00 AM on weekends.
- **Number of Employees** -- 10 to 15 employees will be present on a nightly basis.
- **Crowd Control and Security** -- The use will be served by the unified security system, which includes a 24/7 monitoring and on-premises security patrols. The proposed use is not expected to create a queue. If queuing occurs, there is more than adequate room to accommodate that queuing either within the building or on the roof. Crowd control will be managed by theater staff, with the assistance of building security if necessary.
- **Noise Attenuation Plan** -- No entertainment is permitted and all exterior music will be ambient in nature. Audio from motion picture presentations will be delivered to patrons only through individually-worn headphones. Noise from ambient music and patrons will be physically attenuated through solid walls and a glass extension of the existing building parapet on the west as shown on the submitted plans. The installation of structures between the theater seating and concession area as shown on the plans will attenuate any noise escaping to the east.
- **Valet Parking** -- Valet parking will be offered through the building's unified valet system, utilizing a ramp on the northwest corner of the property, on Lincoln Road as approved through Conditional Use Permit 2325. Storage for valet parking will be the garage. It is anticipated that

a significant number of patrons will either self-park or access the business on foot from Alton Road.

- **Employee Parking** -- It is anticipated that employees who drive to the site will park in the integrated garage or other parking garages or City lots in the vicinity.
- **Additional Information** – The following additional limitations are required by Section 142-310(a)(8)h:
  - The theater will be limited to a single screen.
  - The accessory bar counter and concessions may be open and operational only during times when the theater use is operational.
  - A maximum of three showings will be permitted per day.
  - Theater seats will be required at all times and will not be removed from the movie viewing area during all times the business is open. This will not preclude the temporary removal of seats for cleaning and maintenance purposes.

Graham Penn, Esq.  
Bercow Radell Fernandez Larkin & Tapanes  
200 S. Biscayne Boulevard, Suite 850  
Miami, Florida 33131

September 21, 2020

**Re: Rooftop Cinema Club 1212 Lincoln –Traffic Memorandum**

Dear Graham:

Traf Tech Engineering, Inc. is pleased to provide you with the results of the trip generation comparison analysis in connection with the approved 1212 Lincoln project planned to be located on the west side of Alton Road just south of Lincoln Road in the City of Miami Beach in Miami-Dade County, Florida. The trip generation analysis compares the trips associated with the previously approved traffic study against the trips generated by the latest changes in land use and intensities. That is, the approved hotel (106 rooms) is being reduced to 100 rooms and a 179-seat rooftop cinema is being planned for the project. As indicated in the attached tables, the new trips changed as follows:

Daily trips from 4,976 to 5,262 (+286 daily trips)  
PM peak hour trips from 308 to 320 (+12 peak hour trips)

As indicated above, there is a minor trip increase from the proposed changes in land uses and intensities.

**Valet Operation**

As documented in the approved traffic study, the 1212 Lincoln project will provide valet service. The valet station is to be located on Lincoln Road (north-west corner of the site). The results of the analysis indicate that the valet station on Lincoln Road should provide stacking for at least three (3) vehicles and assign up to three (3) valet runners during the peak period.

Please give me a call if you have any questions.

Sincerely,

**TRAF TECH ENGINEERING, INC.**

Joaquin E. Vargas, P.E.  
Senior Transportation Engineer

TABLE 1 – from Approved Traffic Study Trip Generation Summary 1212 Lincoln			
		Number of Trips	
Land Use	Size	Daily	PM Peak
Hotel	106 rooms	866	64
Specialty Retail	92,725 sf	4,110	244
<b>Total Trips</b>		<b>4,976</b>	<b>308</b>

Source: ITE Trip Generation Manual (9<sup>th</sup> Edition)

TABLE 2 – New Use and Intensity Trip Generation Summary 1212 Lincoln			
		Number of Trips	
Land Use	Size	Daily	PM Peak
PROPOSED DEVELOPMENT			
Hotel	100 rooms	836	60
Specialty Retail <sup>1</sup>	92,725 sf	4,110	244
Cinema	179 seats	316 <sup>2</sup>	16 <sup>3</sup>
<b>Total Trips</b>		<b>5,262</b>	<b>320</b>

Source: ITE Trip Generation Manual (10<sup>th</sup> Edition)

<sup>1</sup> Used ITE Trip Generation Manual (9<sup>th</sup> Edition) since 10<sup>th</sup> Edition does not have a LUC for specialty retail.

<sup>2</sup> Per ITE Trip Generation Manual (10<sup>th</sup> Edition), 1.76 daily trips per seat

<sup>3</sup> Per ITE Trip Generation Manual (10<sup>th</sup> Edition), 0.09 PM peak hour trips per seat



# **ATTACHMENT A**

## **Site Plan for Rooftop Cinema Club**



# ROOFTOP CINEMA CLUB

1212 Lincoln Road, Miami Beach, Florida

## PLANNING BOARD

*FIRST SUBMISSION*

AUGUST 31, 2020



7500 NE 4th Court  
Studio 103  
Miami, FL 33138

2012

PROJECT NUMBER

PROJECT:



**ROOFTOP  
CINEMA**

1212 Lincoln Rd  
Miami Beach, FL 33139

DRAWING:

COVER SHEET

### Scope of Work

- NEW ROOFTOP CINEMA USE AT EXISTING PARKING DECK

JENNIFER MCCORMICK FLORIDA LIC#A000044  
ALL DRAWINGS AND NOTATION HEREON, APPROVED  
HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED  
WORK OF STUDIO MC+G ARCHITECTURE, INC. AND MAY  
NOT BE REPRODUCED, COPIED, OR OTHERWISE MISUSED  
WITHOUT THE EXPRESS WRITTEN CONSENT OF STUDIO MC+G  
ARCHITECTURE, INC. 08/31/2020

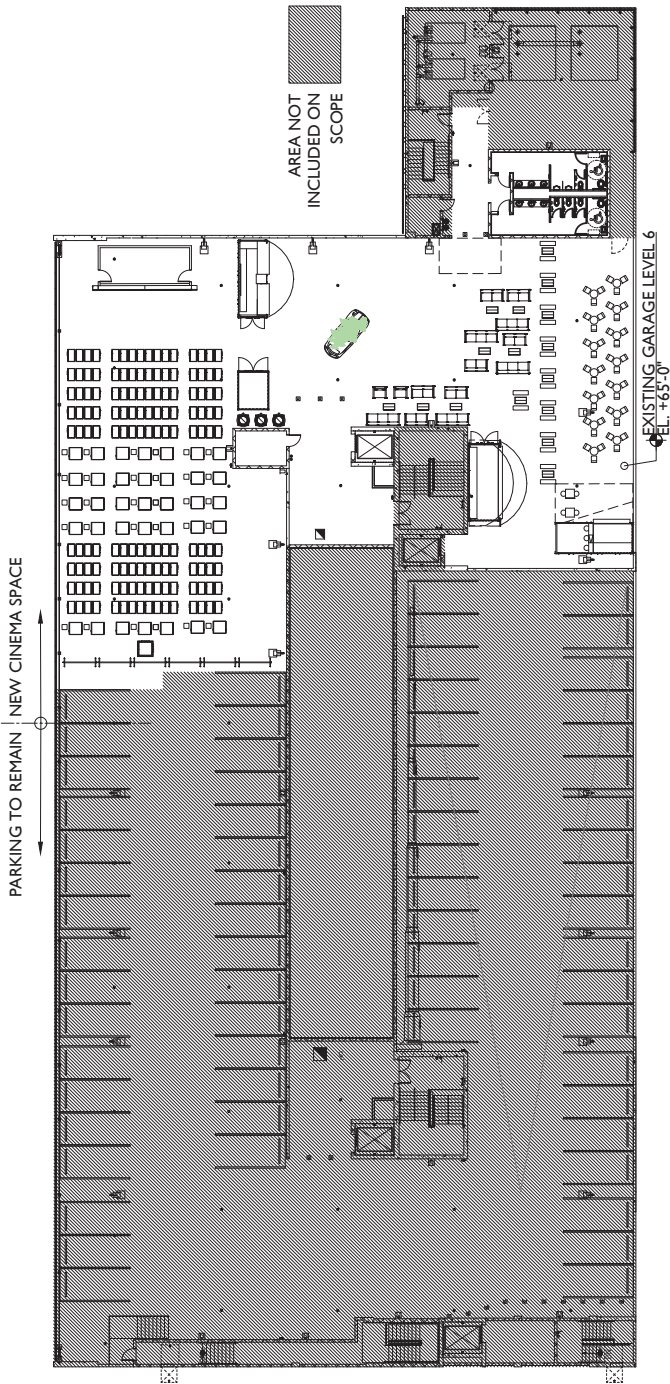
SCALE: \_\_\_\_\_  
CHECK: JMcG  
DATE: 08/31/2020

SHEET NUMBER

A0.00

FLOOR PLAN ROOF LEVEL 1/16"=1'-0"

**PROPOSED  
ROOF OVERALL  
FLOOR PLAN**



CONSENT TO CONSTRUCTION OF THIS PROJECT IS GRANTED BY THE CITY OF MIAMI BEACH, FLORIDA, FOR THE PROJECT DESCRIBED HEREIN. THE CITY OF MIAMI BEACH, FLORIDA, DOES NOT WARRANT THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE CITY OF MIAMI BEACH, FLORIDA, DOES NOT WARRANT THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE CITY OF MIAMI BEACH, FLORIDA, DOES NOT WARRANT THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.

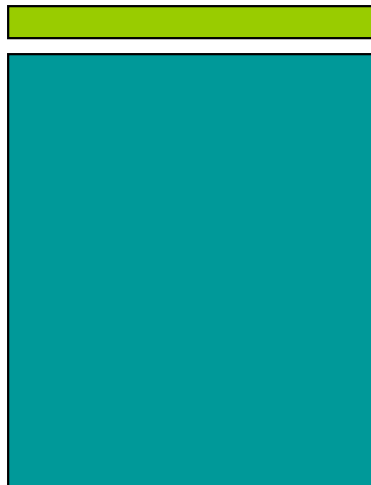
SCALE: 1/8" = 1'-0"  
CHECK: JMK  
DATE: 08/1/2020  
SHEET NUMBER

# **ATTACHMENT B**

**Approved Traffic Study for  
1212 Lincoln**

# 1212 Lincoln Miami Beach, Florida

traffic study



prepared for:  
**Crescent Heights**

**Traf Tech**  
ENGINEERING, INC.

**May 2016**  
**Second Revision January 2017**

January 30, 2017

Graham Penn, Esq.  
Bercow Radell & Fernandez, P.A.  
200 S. Biscayne Boulevard, Suite 850  
Miami, Florida 33131

**Re: 1212 Lincoln –Traffic Study**

Dear Graham:

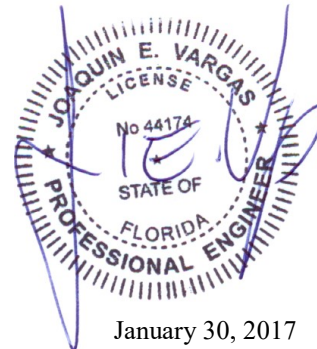
Traf Tech Engineering, Inc. is pleased to provide you with the results of the revised traffic study conducted for the 1212 Lincoln project located in the City of Miami Beach in Miami-Dade County, Florida.

It has been a pleasure working with you on this project.

Sincerely,

**TRAF TECH ENGINEERING, INC.**

Joaquin E. Vargas, P.E.  
Senior Transportation Engineer



January 30, 2017

## TABLE OF CONTENTS

---

<b>INTRODUCTION</b> .....	1
<b>INVENTORY</b> .....	3
Existing Land Use .....	3
Proposed Land Use and Access .....	3
<b>EXISTING CONDITIONS</b> .....	4
Roadway System.....	4
Nearby Intersections .....	4
Public Transportation and Bicycle Sharing and Rental.....	4
<b>TRAFFIC COUNTS</b> .....	6
<b>TRIP GENERATION</b> .....	8
<b>TRIP DISTRIBUTION AND TRAFFIC ASSIGNMENT</b> .....	9
<b>TRAFFIC ANALYSES</b> .....	11
Future Conditions Traffic Volumes .....	11
Level of Service Analyses .....	12
Access Driveway .....	12
Valet Operation .....	12
<b>OTHER MODES OF TRANSPORTATION</b> .....	18
<b>CONCLUSIONS AND RECOMMENDATIONS</b> .....	20

## LIST OF FIGURES

FIGURE 1 – Project Location Map .....	2
FIGURE 2 – Existing Lane Geometry.....	5
FIGURE 3 – Existing Traffic Counts – Peak Hour (March 2016) .....	7
FIGURE 4 – New Project Traffic Assignment.....	10
FIGURE 5 – Background Traffic (Year 2018).....	13
FIGURE 6 – Total Traffic with Project (Year 2018) .....	14

## LIST OF TABLES

TABLE 1 – Trip Generation Summary.....	8
TABLE 2 – Project Trip Distribution.....	9
TABLE 3 – Signalized Intersection Capacity/LOS Analyses .....	15
TABLE 4 – Stop Controlled Intersections Capacity/LOS Analyses .....	15



## INTRODUCTION

---

1212 Lincoln is a proposed hotel and retail development planned to be located at 1212 Lincoln Road in the City of Miami Beach in Miami-Dade County, Florida. The location of the project site is illustrated in Figure 1 on the following page.

Traf Tech Engineering, Inc. was retained by Crescent Heights to conduct a traffic study<sup>1</sup> in connection with the proposed retail development. The study addresses trip generation and the traffic impacts created by the proposed project on the nearby transportation network. This study is divided into seven (7) sections, as listed below:

1. Inventory
2. Existing Conditions
3. Traffic Counts
4. Trip Generation
5. Trip Distribution and Traffic Assignment
6. Traffic Impact Analysis
7. Conclusions and Recommendations

---

<sup>1</sup> The traffic methodology was discussed and agreed with the City of Miami Beach staff and is included in Appendix A.



## INVENTORY

---

### **Existing Land Use**

The subject site currently contains 55,800 square feet of retail space.

### **Proposed Land Use and Access**

The proposed 1212 Lincoln project will consist of 106 hotel rooms and 92,725 square feet of retail space. Access to the site will be provided by an access driveway on 16<sup>th</sup> Street on the south side of the site. The proposed development also includes a parking garage that will provide parking for future patrons of the project. Appendix B contains a copy of the site plan for the project site.

## EXISTING CONDITIONS

---

This section addresses the existing roadway system located in the vicinity of the project site and nearby intersections.

### **Roadway System**

The roadway system located near the project site includes Alton Road, Lincoln Road, 17<sup>th</sup> Street, 16<sup>th</sup> Street, 15<sup>th</sup> Street, and the Alleyway (Alton Court). Near the project site, Lincoln Road, 16<sup>th</sup> Street, and 15<sup>th</sup> Street are two-lane facilities oriented in the east and west directions. Alton Road and 17 Street are four-lane facilities near the project site and the alleyway is a one-lane one-way street in the northbound direction.

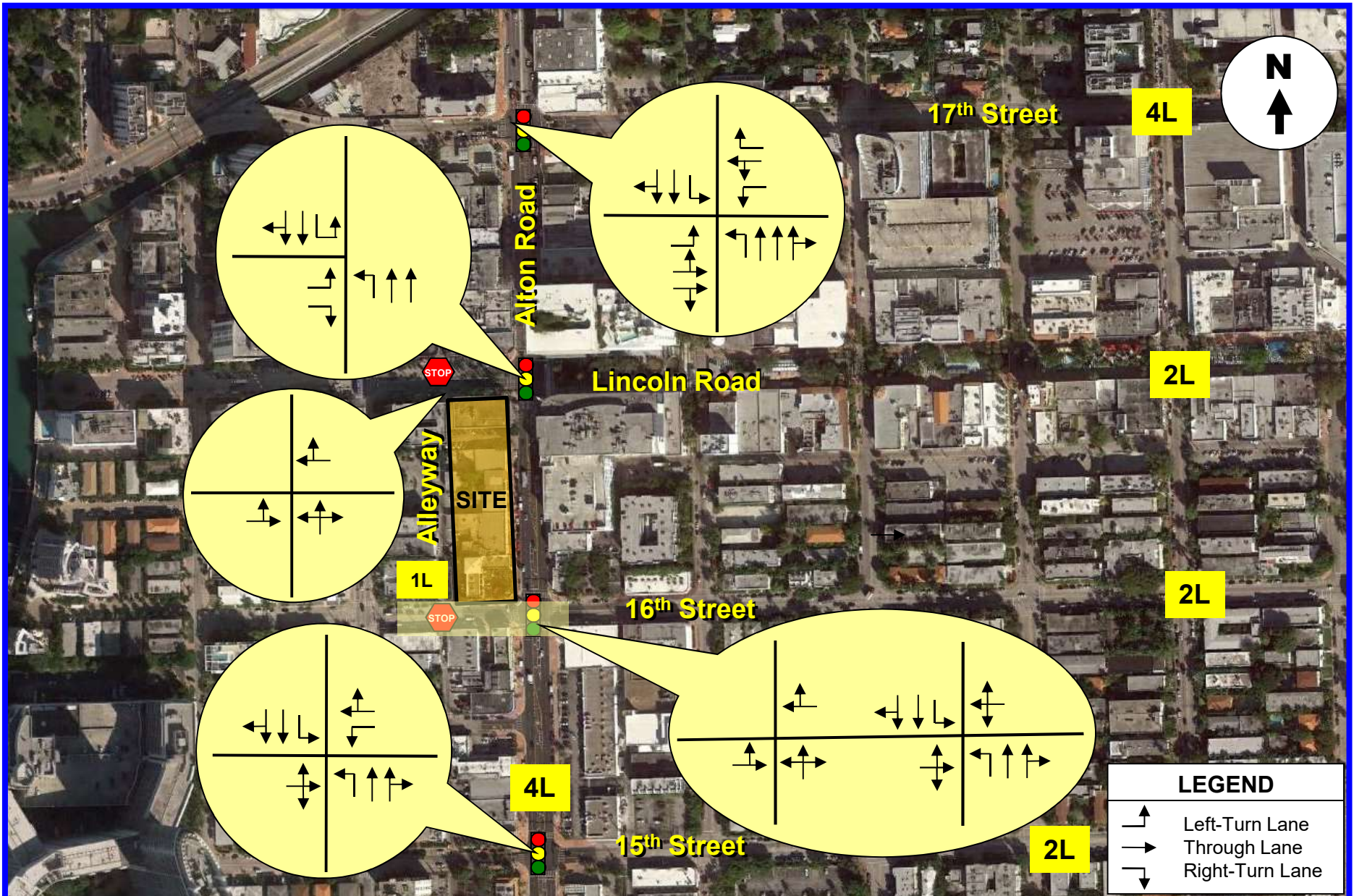
### **Nearby Intersections**

With the assistance of City of Miami Beach staff, six intersections (plus the future access driveways) were identified as the locations that will be impacted the most by the proposed project. These intersections include:

- Alton Road & 15<sup>th</sup> Street (Signalized)
- Alton Road & 16<sup>th</sup> Street (Signalized)
- Alton Road & Lincoln Road (Signalized)
- Alton Road & 17 Street (Signalized)
- Alleyway (Alton Court) & 16<sup>th</sup> Street (Stop controlled)
- Alleyway (Alton Court) & Lincoln Road (Stop controlled)

Figure 2 on the following page shows the existing lane geometry of the six (6) intersections selected for analysis purposes. The number of lanes on the street system surrounding the project site is also depicted in the figure.





## TRAFFIC COUNTS

---

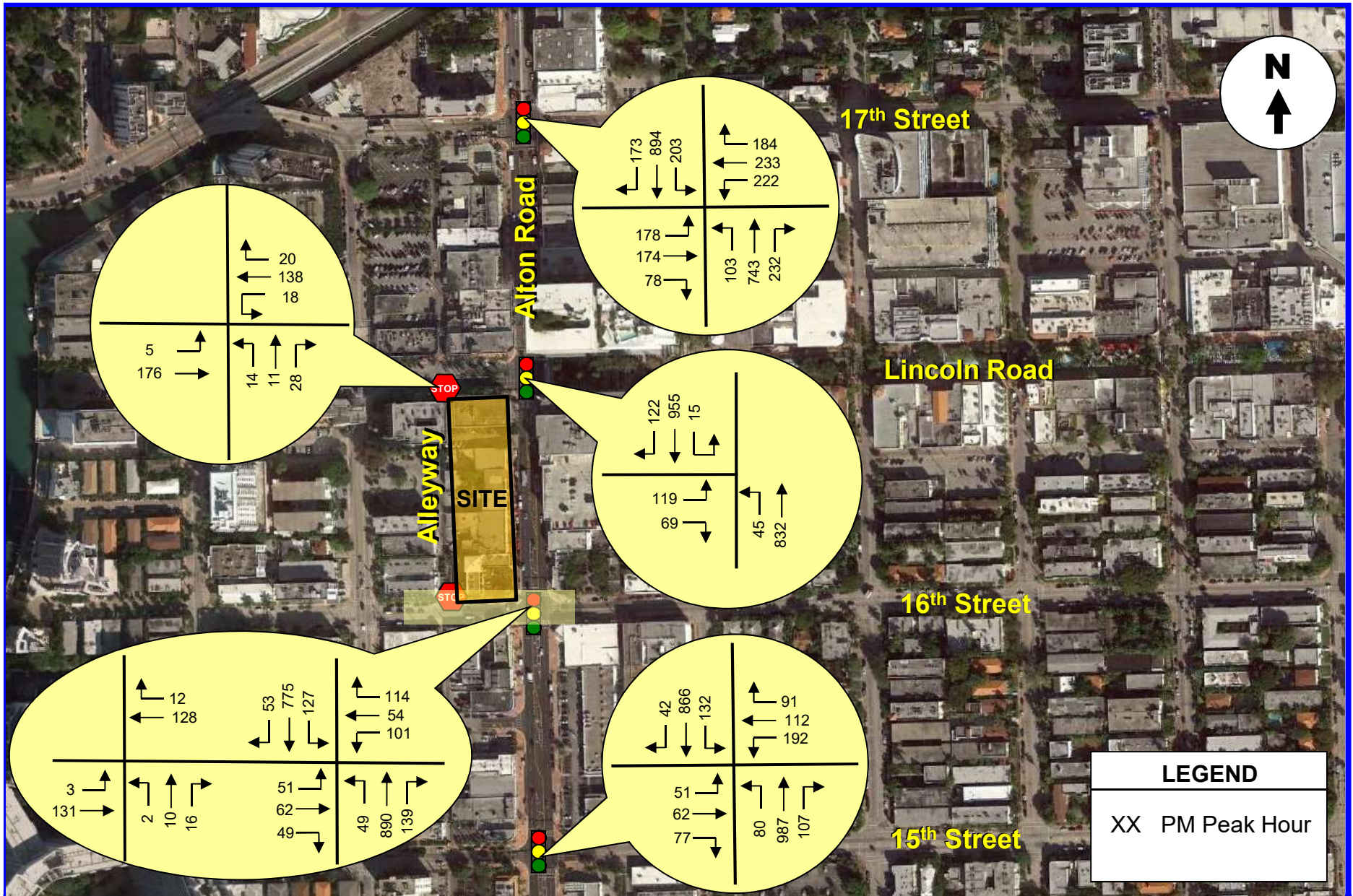
Traf Tech Engineering, Inc., in association with Traffic Survey Specialists, Inc., collected traffic data at the following locations:

- Alton Road & 15<sup>th</sup> Street (Signalized)
- Alton Road & 16<sup>th</sup> Street (Signalized)
- Alton Road & Lincoln Road (Signalized)
- Alton Road & 17 Street (Signalized)
- Alleyway (Alton Court) & 16<sup>th</sup> Street (Stop controlled)
- Alleyway (Alton Court) & Lincoln Road (Stop controlled)

The intersection turning movement counts performed by Traffic Survey Specialists, Inc., were collected on Friday, March 4, 2016 during the PM peak period (4:30 PM to 7:00 PM).

The existing PM peak hour traffic counts are presented in Figure 3 on the following page. Appendix C contains the traffic data as collected in the field. The signal timing plans for the signalized intersections were obtained from the Miami-Dade County Signals and Signs Division and are included in Appendix C.





## TRIP GENERATION

---

The trip generation for the project was based on information contained in the Institute of Transportation Engineer's (ITE) *Trip Generation Manual (9<sup>th</sup> Edition)*. According to the subject ITE manual, the most appropriate "land use" category for the proposed land uses are: Land Use 310 – Hotel and Land Use 826 – Specialty Retail Center. Table 1 below summarizes the external trips associated with the proposed 1212 Lincoln development.

<b>TABLE 1</b> <b>Trip Generation Summary</b> <b>1212 Lincoln</b>			
		<b>Number of Trips</b>	
<b>Land Use</b>	<b>Size</b>	<b>Daily</b>	<b>PM Peak</b>
<b>EXISTING DEVELOPMENT</b>			
Specialty Retail	55,800 sf	2,425	155
<b>PROPOSED DEVELOPMENT</b>			
Hotel	106 rooms	866	64
Specialty Retail	92,725 sf	4,110	244
Difference		+2,551	+153

*Source: ITE Trip Generation Manual (9<sup>th</sup> Edition)*

As indicated in Table 1, the proposed 1212 Lincoln development is anticipated to generate approximately 4,110 gross daily trips and approximately 308 gross trips (140 inbound and 168 outbound) during the typical PM peak hour. The net new trips (proposed trips minus existing trips) include approximately 2,551 new daily trips and approximately 153 additional PM peak hour trips (72 inbound and 81 outbound).

### **ITE Land Use 310 – Hotel**

#### Weekday Trip Generation

$$T = 8.17 (X)$$

Where T = number of weekday trips and

X = 1,000 square feet of gross leasable area

#### Weekday PM Peak Hour of Adjacent Street

$$T = 0.6 (X) \text{ (51\% inbound and 49\% outbound)}$$

Where T = number of weekday PM peak hour trips and

X = 1,000 square feet of gross leasable area



---

## **ITE Land Use 826 – Specialty Retail Center**

### Weekday Trip Generation

$$T = 44.32 (X)$$

Where T = number of weekday trips and

X = 1,000 square feet of gross leasable area

### Weekday PM Peak Hour of Adjacent Street

$$T = 2.40 (X) + 21.48 \text{ (44\% inbound and 56\% outbound)}$$

Where T = number of weekday PM peak hour trips and

X = 1,000 square feet of gross leasable area

## TRIP DISTRUBUTION AND TRAFFIC ASSIGNMENT

---

The trip distribution and traffic assignment for the project were based on Miami-Dade County's Cardinal Distribution information for the study area. Table 2 summarizes the County's cardinal distribution data for Traffic Analysis Zone 641, which is applicable to the project site from the latest SERPM data published by Miami-Dade County.

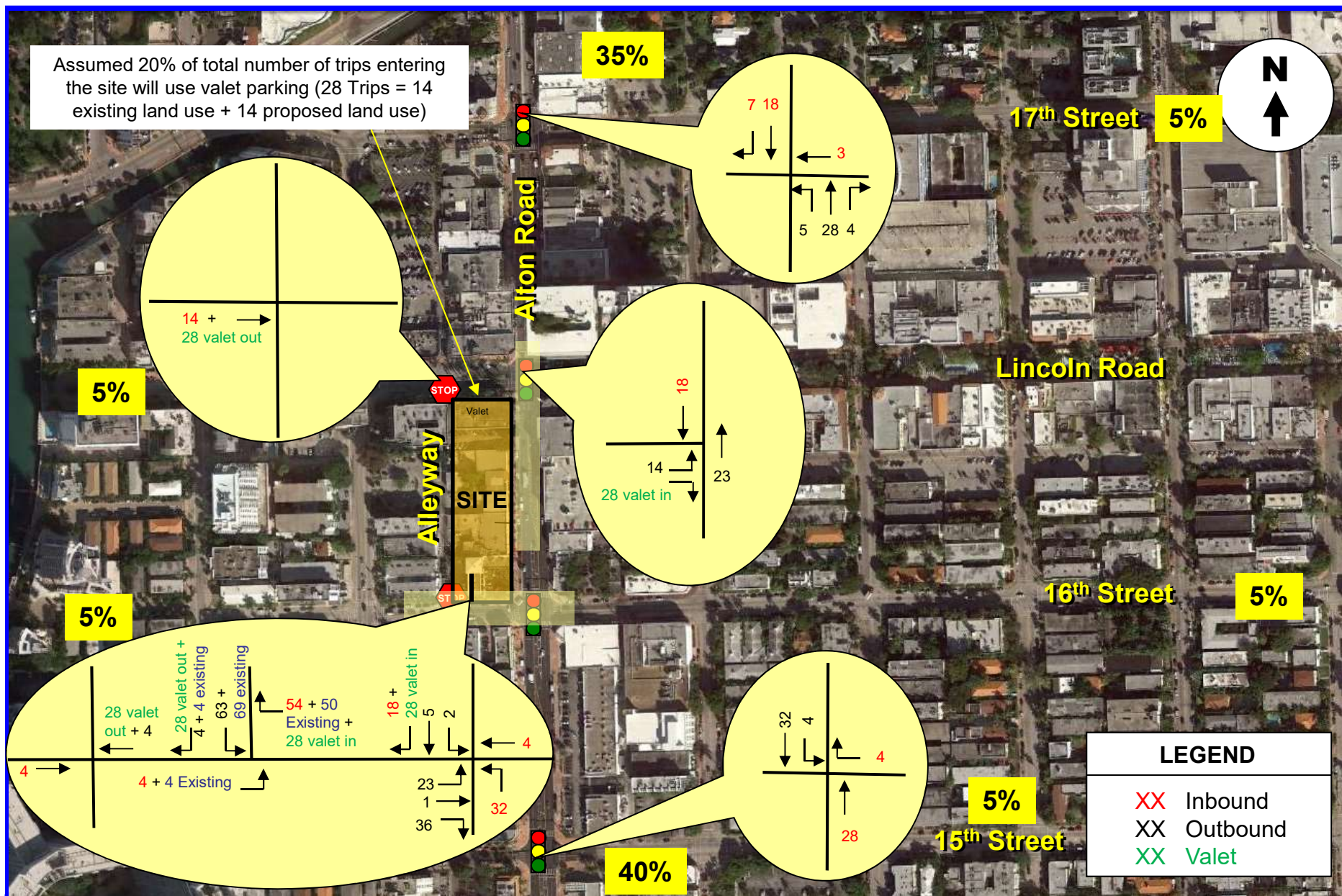
<b>TABLE 2</b>		
<b>Project Trip Distribution</b>		
<b>1212 Lincoln</b>		
<b>Direction</b>		<b>% of Total Trips</b>
North:	Northwest	12.4
	Northeast	16.8
South:	Southwest	3.6
	Southeast	7.5
East:	Northeast	13.6
	Southeast	2.1
West:	Northwest	20.7
	Southwest	23.4
<b>Total</b>		<b>100.00%</b>

*Source: Miami-Dade County (2040 SERPM)*

Based on the above, the following traffic assignment was assumed for the proposed retail development:

- 35% to/from the north via Alton Road
- 40% to/from the south via Alton Road
- 5% to/from the east via 15<sup>th</sup> Street
- 5% to/from the east via 16<sup>th</sup> Street
- 5% to/from the east via 17<sup>h</sup> Street
- 5% to/from the west via 16<sup>th</sup> Street
- 5% to/from the west via Lincoln Road

The new peak hour traffic generated by the project was assigned to the nearby transportation network using the traffic assignment documented above. The new project traffic assignment is summarized in Figure 4.



## **TRAFFIC ANALYSIS**

---

This section of the study is divided into three (3) parts. The first part consists of developing the future conditions traffic volumes for the study area. The second part includes level-of-service analyses for existing and future conditions. The third section addresses the projected operating conditions of the project's access driveways.

### **Future Conditions Traffic Volumes**

Two sets of future traffic volumes were developed. The first set includes project buildout conditions without the proposed project and the second set adds the new trips anticipated to be generated by the project.

In order to develop year 2018 traffic volumes (project anticipated to be built and occupied by the year 2018), without the proposed project, two separate analyses were undertaken. The first analysis converts the existing peak hour traffic counts collected in the field during the month of March to average peak season conditions. Based on FDOT's Peak Season Factor Category report, a factor of 1.00 is required to convert traffic counts collected during the first week of March to average peak season conditions (refer to Appendix D).

The second analysis includes a growth factor to project 2016 peak season traffic volumes to the year 2018. Based on traffic growth data published by the FDOT for a nearby traffic count stations, minimal traffic growth has occurred during the past five years (refer to Appendix D). However, in order to assess impacts with a conservative approach, and to account for unforeseen approved project (committed trips) that may impact the study intersections, a one percent (1%) growth rate was used for purposes of this study. Moreover, committed development trips associated with several projects were added to the peak season volumes in order to develop 2018 background traffic conditions for the study area.

---

The new trips generated by the 1212 Lincoln project (refer to Figure 4) were added to the 2018 background traffic in order to develop total traffic conditions. The future traffic projections for the study intersections (peak season adjustments, growth rates, committed development trips and project traffic) are presented in tabular format in Appendix E. Figures 5 and 6 present the year 2018 future traffic volumes for the study area.

Figure 5 includes background traffic only (without the proposed project) and Figure 6 includes the additional traffic anticipated to be generated by the 1212 Lincoln project.

### **Level of Service Analyses**

Intersection capacity/level of service analyses were conducted for the six (6) study intersections and the access driveway. The analyses were undertaken following the capacity/level of service procedures outlined in the Highway Capacity Manual (HCM) using the SYNCHRO software. The results of the capacity analyses are summarized in Tables 3 and 4. As indicated in Tables 3 and 4, all study intersections are currently operating adequately and will continue to operate at a acceptable level of service in the year 2018 with the proposed project in place.

### **Access Driveway**

The proposed access driveway along 16 Street is projected to operate at level of service “B” (refer to Table 4).









---

<b>TABLE 3</b> <b>Intersection Levels of Service – (Signalized Intersections)</b> <b>1212 Lincoln</b>			
<b>Intersection</b>	<b>2016 Existing</b>	<b>Future Traffic Conditions</b>	
		<b>2018 w/o Project</b>	<b>2018 With Project</b>
Alton Road & 15 <sup>th</sup> Street	C	C	C
Alton Road & 16 <sup>th</sup> Street	C	C	C
Alton Road & Lincoln Road	B	B	B
Alton Road & 17 <sup>th</sup> Street	D	E	E

Source: Highway Capacity Manual

<b>TABLE 4</b> <b>Intersection Levels of Service (Stop-Controlled Intersections)</b> <b>1212 Lincoln</b>			
<b>Intersection/Movement</b>	<b>2016 Existing</b>	<b>Future Traffic Conditions</b>	
		<b>2018 w/o Project</b>	<b>2018 With Project</b>
Alleyway & 16 <sup>th</sup> Street -NB	A	A	A
Alleyway & Lincoln Road - NB	C	C	C
Project Driveway - SB			B

Source: Highway Capacity Manual

The computer printouts of the intersection capacity analyses are contained in Appendix F.

### **Valet Operation**

The 1212 Lincoln project will provide valet service to the project patrons. It was assumed that 20% of the project patrons arriving to the site will stop at a valet station located on Lincoln Road (north- west corner of the project).



---

In order to determine the stacking requirements associated with the valet operation, a queuing analysis was undertaken. As indicated in Table 1, 20% of the inbound vehicles associated with this project, during a one-hour period, is approximately 28 vehicles or one vehicle every 128 seconds.

A queuing analysis was conducted in order to ensure that the on-street stacking is sufficient to accommodate the maximum inbound vehicular demand anticipated at this facility. The length of queue anticipated on Lincoln Road was determined using information contained in ITE's *Transportation and Land Development*, Chapter 8 – Drive-In Facilities<sup>1</sup>. For this analysis, the following input variables were used:

- Service Rate: It was assumed that the average time to park/unpark a vehicle by a valet runner is approximately five (5) minutes, or 12 vehicles per hour per valet runner. Assuming up to three (8) valet runners, the maximum service rate of the facility is 96 vehicles in a one-hour period.
- Demand Rate: As indicated above, a maximum of 28 vehicles will arrive and 28 vehicles will depart during the highest hour.

Using equation 8-9b and Table 8-11 of ITE's *Transportation and Land Development*, the maximum length of queue anticipated on Lincoln Road, at the 90% confidence level, is three vehicles. Therefore, the valet station on Lincoln Road should provide stacking for at least three (3) vehicles. The results of the ITE queuing procedure is contained in Appendix H.

---

<sup>1</sup> By Vergil G. Stover and Frank J. Koepke.

## **OTHER MODES OF TRANSPORTATION**

---

Throughout much of Miami Beach, and specifically within the immediate area of the proposed 1212 Lincoln project, there are many convenient and cost-effective transportation alternatives for residents, patrons, and visitors alike. Many patrons of the 1212 Lincoln project are likely to avail themselves of alternative travel modes as opposed to the automobile. Several of the more prominent modes in this area include bus transit services, bicycling (including the Deco Bike), and the sidewalk network throughout the surrounding area. Each of these is explained in further detail below.

### **Miami-Dade Transit**

Transit services on Miami Beach are provided by Miami-Dade Transit. There are numerous transit routes serving the immediate study area including 119 Route M, 113 Route M, and the 123 SB Local. The nearest bus stop for these services is located at the intersection of Lincoln Road and Alton Road. These transit routes provide frequent service and access to all of Miami-Dade County as well as connections to other destinations outside of the County.

### **DecoBike**

DecoBike is a bicycle sharing and rental program on Miami Beach. This program offers a network of 100 solar-powered bicycle rental stations and a fleet of 1,000 bicycles which can be rented 24 hours per day. Within the immediate area of the 1212 Lincoln project, there are three (3) convenient DecoBike rental stations. These stations are as follows:

- Station 137: Bay Road and 16<sup>th</sup> Street
- Station 152: Lenox Avenue and Lincoln Road
- Station 153: Lincoln Road and West Avenue

---

### **Pedestrian Network**

Most of Miami Beach is considered a very walkable environment. Specifically within the project study area, each of the existing roadways has sidewalks on both sides and crosswalks are present at each of the major signalized intersections. There are many attractive destinations within easy access to the 1212 Lincoln and the project has been designed in such a manner as to provide direct access to this sidewalk network.

In summary, this project is located within an area that provides excellent access to alternative modes of transportation. It is expected that many of the customers of the 1212 Lincoln project will utilize these services as opposed to driving passenger vehicles.

## **CONCLUSIONS AND RECOMMENDATIONS**

---

1212 Lincoln is a proposed retail development planned to be located at 1212 Lincoln Road in the City of Miami Beach in Miami-Dade County, Florida. The subject site currently contains 55,800 square feet of retail space. The proposed 1212 Lincoln project will consist of 106 hotel rooms and 92,725 square feet of retail use. Access to the site will be provided by an access driveway on 16<sup>th</sup> Street on the south side of the site. The proposed development also includes a parking garage that will provide on-site parking for its patrons.

Traf Tech Engineering, Inc. was retained by Crescent Heights to conduct a traffic study in connection with the proposed retail development. The study addresses trip generation and the traffic impacts created by the proposed project on the nearby transportation network. The conclusions of the traffic study are presented below:

- The proposed 1212 Lincoln development is anticipated to generate approximately 4,110 gross daily trips and approximately 308 gross trips (140 inbound and 168 outbound) during the typical PM peak hour. The net new trips (proposed trips minus existing trips) include approximately 2,551 new daily trips and approximately 153 additional PM peak hour trips (72 inbound and 81 outbound). In order to assess impacts with a conservative approach, no deductions were made to account for internal trips and passer-by traffic.
- All study intersections are currently operating adequately and will continue to operate at an acceptable level of service in the year 2018 with the proposed project in place.
- The proposed project access driveway on 16<sup>th</sup> Street is projected to operate at level of service “B”.

# **APPENDIX A**

## **Traffic Methodology**

TO: 1212 Lincoln

FROM: Joaquin Vargas

DATE: March 15, 2016

SUBJECT: Traffic Methodology for 1212 Lincoln

---

1212 Lincoln is a proposed re-development of an existing commercial space (55,800 square feet) with a mixed-use project consisting of 106 hotel rooms and approximately 92,725 square feet of retail space. The project is to be located at 1212 Lincoln Road.

The proposed access to the parking structure will be off of 16<sup>th</sup> Street. There will be valet service for hotel users. The valet station will be located on the south side of Lincoln Road just east of an existing alley. The following is our proposed methodology for the traffic study associated with this project:

- The trip generation for the proposed project will be based on ITE's *Trip Generation Manual* (9<sup>th</sup> Edition). For the existing and proposed retail use, LUC 826 – Specialty Retail will be used. For the hotel, ITE LUC 310 – Hotel will be used.
- The traffic study will evaluate six (6) intersections in the immediate vicinity of the project. Traffic counts will be conducted for the critical PM peak hour. These intersections are:
  - Alton Road and 17<sup>th</sup> Street (signalized)
  - Alton Road and Lincoln Road (signalized)
  - Alton Road and 16<sup>th</sup> Street (signalized)
  - Alton Road and 15<sup>th</sup> Street (signalized)
  - Lincoln Road and alleyway
  - 16<sup>th</sup> Street and alleyway
- Traffic circulation will be evaluated in the traffic study, including its impact to the surrounding street system and adjacent driveways, if any.
- For purposes of the traffic study, the build-out year will be 2018. For purposes of traffic growth, FDOT historical traffic data will be used.
- Existing traffic signal timing data and traffic counts will be included in the appendix of the traffic study.
- The traffic study will address any anticipated / proposed impacts onto the existing on-street vehicular parking, if applicable. Any impacts to on-street parking will be discussed with the City's Parking Department.
- Traffic figures will be prepared for the following trip generation

scenarios for each of the intersections analyzed:

1. Existing trips
  2. Proposed site trips distribution
  3. Existing + traffic growth + committed developments
  4. Future or build-out + traffic growth + site trips
- This report will also document other modes of travel available to patrons. This will include TDM measures, transit, and bicycles. The presence of transit and nearby routes will be discussed as will the provision and location of bicycle racks.
  - Provide bicycle racks at the site to encourage other modes of transportation.
  - The parking garage is at the site.
  - The site plan will also include the location of bicycle parking, garbage pick-up area and place designated for deliveries.
  - The submittal of the study will include LOS calculations for review by the peer reviewer.

# **APPENDIX B**

**Site Plan  
1212 Lincoln**



## SITE PLAN



# **APPENDIX C**

## **Signal Timing Plan and Traffic Counts**

**TOD Schedule Report**  
for 2644: Alton Rd&15 St

Print Date:  
12/23/2013

Print Time:  
8:12 AM

<u>Asset</u>	<u>Intersection</u>	<u>TOD</u> <u>Schedule</u>	<u>Op Mode</u>	<u>Plan #</u>	<u>Cycle</u>	<u>Offset</u>	<u>TOD</u> <u>Setting</u>	<u>Active</u> <u>PhaseBank</u>	<u>Active</u> <u>Maximum</u>
2644	Alton Rd&15 St	DOW-2		N/A	0	0	N/A	0	Max 0

**Splits**

<u>PH 1</u>	<u>PH 2</u>	<u>PH 3</u>	<u>PH 4</u>	<u>PH 5</u>	<u>PH 6</u>	<u>PH 7</u>	<u>PH 8</u>
SBL	NBT	-	EBT	-	SBT	-	WBT
0	0	0	0	0	0	0	0



Active Phase Bank: Phase Bank 1

Phase	Walk			Don't Walk			Min Initial			Veh Ext			Max Limit			Max 2			Yellow	Red	
Phase Bank																					
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
1	SBL	0	-	0	-	0	-	0	-	0	5	-	5	-	5	-	5	-	5	0	0
2	NBT	7	-	7	-	7	-	7	-	7	7	-	7	-	7	-	7	-	7	4	0
3	-	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-	0	0	0
4	EBT	7	-	7	-	7	-	7	-	7	2.5	-	2.5	-	2.5	-	12	-	12	16	0.6
5	-	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-	0	0	0
6	SBT	7	-	7	-	7	-	7	-	7	1	-	1	-	1	-	40	-	40	0	0
7	-	0	-	0	-	0	-	0	-	0	0	-	0	-	0	-	0	-	0	0	0
8	WBT	7	-	7	-	7	-	7	-	7	2.5	-	2.5	-	2.5	-	12	-	12	16	0.6

Last In Service Date: unknown

**Permitted Phases**

	<b>12345678</b>
Default	-2-4-6-8
External Permit 0	-----
External Permit 1	-2-4-6-8
External Permit 2	-2-4-6-8

<u>Current</u>		<u>Green Time</u>									<u>Ring Offset</u>		<u>Offset</u>
<u>TOD Schedule</u>	<u>Plan</u>	<u>Cycle</u>	1 SBL	2 NBT	3 -	4 EBT	5 -	6 SBT	7 -	8 WBT			
	1	160	0	109	0	42	0	109	0	42	0	27	
	2	160	0	109	0	42	0	109	0	42	0	2	
	3	120	0	62	0	49	0	62	0	49	0	45	
	4	130	0	62	0	59	0	62	0	59	0	53	
	5	130	0	62	0	59	0	62	0	59	0	30	
	6	130	0	62	0	59	0	62	0	59	0	97	
	7	105	0	64	0	32	0	64	0	32	0	18	
	8	120	0	62	0	49	0	62	0	49	0	44	
	9	120	0	79	0	32	0	79	0	32	0	28	
	10	130	0	62	0	59	0	62	0	59	0	127	
	11	105	0	64	0	32	0	64	0	32	0	37	
	12	105	0	64	0	32	0	64	0	32	0	39	
	13	105	0	61	0	35	0	61	0	35	0	29	
	14	105	0	61	0	35	0	61	0	35	0	31	
	15	130	0	86	0	35	0	86	0	35	0	38	
	16	130	0	62	0	59	0	62	0	59	0	115	
	17	130	0	62	0	59	0	62	0	59	0	109	
	18	90	0	49	0	32	0	49	0	32	0	35	
	19	90	0	49	0	32	0	49	0	32	0	6	
	20	130	0	62	0	59	0	62	0	59	0	36	
	21	90	0	49	0	32	0	49	0	32	0	37	
	22	90	0	49	0	32	0	49	0	32	0	33	
	23	90	0	49	0	32	0	49	0	32	0	6	
	25	140	0	72	0	59	0	72	0	59	0	49	
	26	180	0	112	0	59	0	112	0	59	0	142	
	27	140	0	72	0	59	0	72	0	59	0	55	

<u>Local TOD Schedule</u>			
<u>Time</u>	<u>Plan</u>	<u>DOW</u>	
0000	8	Su M T W Th	S
0000	21		F
0030	11	Su	S
0030	21	M T W Th	
0600	8	M T W Th F	
0800	7	Su	S
0800	5	M T W Th F	
1000	4	Su	
1030	4		S
1515	16	M T W Th F	
1615	6	M T W Th F	
1830	4	Su M T W Th F	S
2000	8	Su M T W Th F	S
2330	21	M T W Th	

<u>Current Time of Day Function</u>			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	---4---	SuM T W ThF S
0600	TOD OUTPUTS	-----2-	SuM T W ThF S
0900	TOD OUTPUTS	-----	SuM T W ThF S
1500	TOD OUTPUTS	-----2-	SuM T W ThF S
1900	PERMIT	---4---	SuM T W ThF S

<u>Local Time of Day Function</u>			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	---4---	SuM T W ThF S
0600	TOD OUTPUTS	-----2-	SuM T W ThF S
0900	TOD OUTPUTS	-----	SuM T W ThF S
1500	TOD OUTPUTS	-----2-	SuM T W ThF S
1900	PERMIT	---4---	SuM T W ThF S

<u>* Settings</u>	
Blank - FREE - Phase Bank 1, Max 1	
Blank - Plan - Phase Bank 1, Max 2	
1 - Phase Bank 2, Max 1	
2 - Phase Bank 2, Max 2	
3 - Phase Bank 3, Max 1	
4 - Phase Bank 3, Max 2	
5 - EXTERNAL PERMIT 1	
6 - EXTERNAL PERMIT 2	
7 - X-PED OMIT	
8 - TBA	

**TOD Schedule Report**  
for 2645: Alton Rd&16 St

Print Date:  
1/24/2014

Print Time:  
8:09 AM

<u>Asset</u>	<u>Intersection</u>	<u>TOD</u> <u>Schedule</u>	<u>Op Mode</u>	<u>Plan #</u>	<u>Cycle</u>	<u>Offset</u>	<u>TOD</u> <u>Setting</u>	<u>Active</u> <u>PhaseBank</u>	<u>Active</u> <u>Maximum</u>
2645	Alton Rd&16 St	DOW-6		N/A	0	0	N/A	0	Max 0

**Splits**

<u>PH 1</u>	<u>PH 2</u>	<u>PH 3</u>	<u>PH 4</u>	<u>PH 5</u>	<u>PH 6</u>	<u>PH 7</u>	<u>PH 8</u>
SBL	NBT	-	EBT	-	SBT	-	WBT
0	0	0	0	0	0	0	0



Active Phase Bank: Phase Bank 1

Phase	<u>Walk</u>			<u>Don't Walk</u>			<u>Min Initial</u>			<u>Veh Ext</u>			<u>Max Limit</u>			<u>Max 2</u>			<u>Yellow</u>	<u>Red</u>																
	<u>Phase Bank</u>																																			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3																		
1 SBL	0	-	0	-	0	-	0	-	0	5	-	5	-	5	-	5	-	5	8	-	7	-	18	3	0											
2 NBT	7	-	7	-	7	-	7	-	7	18	-	18	-	18	7	-	7	-	7	40	-	40	-	40	0	-	0	-	0	4	0.2					
3 -	0	-	0	-	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	0					
4 EBT	7	-	7	-	7	-	7	-	7	26	-	26	-	26	7	-	7	-	7	3.5	-	3.5	-	3.5	12	-	12	-	12	47	-	47	-	47	4	0.6
5 -	0	-	0	-	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	0	0		
6 SBT	7	-	7	-	7	-	7	-	7	18	-	18	-	18	7	-	7	-	7	1	-	1	-	1	40	-	40	-	40	0	-	0	-	0	4	0.2
7 -	0	-	0	-	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0	-	0	0	0		
8 WBT	7	-	7	-	7	-	7	-	7	26	-	26	-	26	7	-	7	-	7	3.5	-	3.5	-	3.5	12	-	12	-	12	47	-	47	-	47	4	0.6

Last In Service Date: unknown

**Permitted Phases**

	<b><u>12345678</u></b>
Default	-2-4-6-8
External Permit 0	-----
External Permit 1	-2-4-6-8
External Permit 2	-2-4-6-8

<u>Current</u>		<u>Green Time</u>									<u>Ring Offset</u>	<u>Offset</u>
<u>TOD Schedule</u>	<u>Plan</u>	<u>Cycle</u>	1 SBL	2 NBT	3 -	4 EBT	5 -	6 SBT	7 -	8 WBT		
	1	160	0	114	0	37	0	114	0	37	0	21
	2	160	0	114	0	37	0	114	0	37	0	8
	3	120	0	73	0	38	0	73	0	38	0	33
	4	130	0	83	0	38	0	83	0	38	0	50
	5	130	0	84	0	37	0	84	0	37	0	17
	6	130	0	83	0	38	0	83	0	38	0	86
	7	105	0	61	0	35	0	61	0	35	0	20
	8	120	0	73	0	38	0	73	0	38	0	37
	9	120	0	76	0	35	0	76	0	35	0	25
	10	130	0	83	0	38	0	83	0	38	0	0
	11	105	0	61	0	35	0	61	0	35	0	25
	12	105	0	61	0	35	0	61	0	35	0	25
	13	105	0	61	0	35	0	61	0	35	0	20
	14	105	0	61	0	35	0	61	0	35	0	20
	15	130	0	86	0	35	0	86	0	35	0	37
	16	130	0	83	0	38	0	83	0	38	0	101
	17	130	0	83	0	38	0	83	0	38	0	119
	18	90	0	46	0	35	0	46	0	35	0	37
	19	90	0	46	0	35	0	46	0	35	0	15
	20	130	0	83	0	38	0	83	0	38	0	45
	21	90	0	46	0	35	0	46	0	35	0	38
	22	90	0	46	0	35	0	46	0	35	0	25
	23	90	0	46	0	35	0	46	0	35	0	15
	25	140	0	93	0	38	0	93	0	38	0	56
	26	180	0	133	0	38	0	133	0	38	0	152
	27	140	0	93	0	38	0	93	0	38	0	84

<u>Local TOD Schedule</u>			
<u>Time</u>	<u>Plan</u>	<u>DOW</u>	
0000	8	Su M T W Th	S
0000	21		F
0030	11	Su	S
0030	21	M T W Th	
0600	8	Su M T W Th F	S
0800	7	Su	S
0800	5	M T W Th F	
1000	4	Su	
1030	4		S
1515	16	M T W Th F	
1615	6	M T W Th F	
1830	4	Su M T W Th F	S
2000	8	Su M T W Th F	S
2330	21	M T W Th	

<u>Current Time of Day Function</u>			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	-----	SuM T W ThF S
0900	TOD OUTPUTS	---4---	M T W ThF
2000	TOD OUTPUTS	-----	M T W ThF

<u>Local Time of Day Function</u>			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	-----	SuM T W ThF S
0900	TOD OUTPUTS	---4---	M T W ThF
2000	TOD OUTPUTS	-----	M T W ThF

<u>* Settings</u>
Blank - FREE - Phase Bank 1, Max 1
Blank - Plan - Phase Bank 1, Max 2
1 - Phase Bank 2, Max 1
2 - Phase Bank 2, Max 2
3 - Phase Bank 3, Max 1
4 - Phase Bank 3, Max 2
5 - EXTERNAL PERMIT 1
6 - EXTERNAL PERMIT 2
7 - X-PED OMIT
8 - TBA

**TOD Schedule Report**  
for 2646: Alton Rd&Lincoln Rd

Print Date:  
11/25/2013

Print Time:  
8:03 AM

<u>Asset</u>	<u>Intersection</u>	<u>TOD</u> <u>Schedule</u>	<u>Op Mode</u>	<u>Plan #</u>	<u>Cycle</u>	<u>Offset</u>	<u>TOD</u> <u>Setting</u>	<u>Active</u> <u>PhaseBank</u>	<u>Active</u> <u>Maximum</u>
2646	Alton Rd&Lincoln Rd	DOW-2		N/A	0	0	N/A	0	Max 0

**Splits**

<u>PH 1</u>	<u>PH 2</u>	<u>PH 3</u>	<u>PH 4</u>	<u>PH 5</u>	<u>PH 6</u>	<u>PH 7</u>	<u>PH 8</u>
NEL	SBT	-	-	-	NBT	-	EBT
0	0	0	0	0	0	0	0



Active Phase Bank: Phase Bank 1

<u>Phase</u>	<u>Walk</u>	<u>Don't Walk</u>	<u>Min Initial</u>	<u>Veh Ext</u>	<u>Max Limit</u>	<u>Max 2</u>	<u>Yellow</u>	<u>Red</u>
<u>Phase Bank</u>								
	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3		
1 NEL	0 - 0 - 0	0 - 0 - 0	5 - 5 - 5	2 - 2 - 2	10 - 10 - 10	20 - 10 - 10	3	0
2 SBT	7 - 7 - 7	24 - 24 - 24	7 - 7 - 7	1 - 1 - 1	40 - 40 - 40	0 - 40 - 40	4	0.8
3 -	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
4 -	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
5 -	0 - 0 - 0	0 - 0 - 0	5 - 5 - 5	2 - 2 - 2	7 - 7 - 7	20 - 10 - 10	3	0
6 NBT	7 - 7 - 7	24 - 24 - 24	7 - 7 - 7	1 - 1 - 1	40 - 40 - 40	0 - 40 - 40	4	0.8
7 -	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
8 EBT	7 - 7 - 7	26 - 26 - 26	7 - 7 - 7	2.5 - 2.5 - 2.5	15 - 15 - 15	40 - 33 - 33	4	0.8

Last In Service Date: unknown

**Permitted Phases**

	<b><u>12345678</u></b>
Default	-2---6-8
External Permit 0	-----
External Permit 1	-2---6-8
External Permit 2	-2---6-8



		Green Time										
Current TOD Schedule	Plan	Cycle	1 NEL	2 SBT	3 -	4 -	5 -	6 NBT	7 -	8 EBT	Ring Offset	Offset
	1	160	0	117	0	0	0	117	0	33	0	143
	2	160	0	117	0	0	0	117	0	33	0	144
	3	120	0	77	0	0	0	77	0	33	0	26
	4	130	0	87	0	0	0	87	0	33	0	32
	5	130	0	87	0	0	0	87	0	33	0	9
	6	130	0	87	0	0	0	87	0	33	0	75
	7	105	0	62	0	0	0	62	0	33	0	81
	8	120	0	77	0	0	0	77	0	33	0	36
	9	120	0	77	0	0	0	77	0	33	0	85
	10	130	0	87	0	0	0	87	0	33	0	106
	11	105	0	62	0	0	0	62	0	33	0	70
	12	105	0	62	0	0	0	62	0	33	0	70
	13	105	0	62	0	0	0	62	0	33	0	104
	14	105	0	62	0	0	0	62	0	33	0	102
	15	130	0	87	0	0	0	87	0	33	0	15
	16	130	0	87	0	0	0	87	0	33	0	91
	17	130	0	87	0	0	0	87	0	33	0	87
	18	90	0	47	0	0	0	47	0	33	0	15
	19	90	0	47	0	0	0	47	0	33	0	70
	20	130	0	87	0	0	0	87	0	33	0	20
	21	90	0	47	0	0	0	47	0	33	0	55
	22	90	0	47	0	0	0	47	0	33	0	55
	23	90	0	47	0	0	0	47	0	33	0	70
	25	140	0	97	0	0	0	97	0	33	0	67
	26	180	0	137	0	0	0	137	0	33	0	161
	27	140	0	97	0	0	0	97	0	33	0	85

<u>Local TOD Schedule</u>			
<u>Time</u>	<u>Plan</u>	<u>DOW</u>	
0000	8	Su M T W Th	S
0000	21		F
0030	11	Su	S
0030	21	M T W Th	
0600	8	Su M T W Th F	
0800	7	Su	S
0800	5	M T W Th F	
1000	4	Su	
1030	4		S
1515	16	M T W Th F	
1615	6	M T W Th F	
1830	4	Su M T W Th F S	
2000	8	Su M T W Th F S	
2330	21	M T W Th	

<u>Current Time of Day Function</u>			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	-----	SuM T W ThF S

<u>Local Time of Day Function</u>			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	-----	SuM T W ThF S

<u>* Settings</u>
Blank - FREE - Phase Bank 1, Max 1
Blank - Plan - Phase Bank 1, Max 2
1 - Phase Bank 2, Max 1
2 - Phase Bank 2, Max 2
3 - Phase Bank 3, Max 1
4 - Phase Bank 3, Max 2
5 - EXTERNAL PERMIT 1
6 - EXTERNAL PERMIT 2
7 - X-PED OMIT
8 - TBA







# TOD Schedule Report for 2647: Alton Rd&17 St

Print Date:  
1/24/2014

Print Time:  
8:10 AM

<u>Asset</u>	<u>Intersection</u>	<u>TOD</u> <u>Schedule</u>	<u>Op Mode</u>	<u>Plan #</u>	<u>Cycle</u>	<u>Offset</u>	<u>TOD</u> <u>Setting</u>	<u>Active</u> <u>PhaseBank</u>	<u>Active</u> <u>Maximum</u>
2647	Alton Rd&17 St	DOW-6		N/A	0	0	N/A	0	Max 0

## Splits

<u>PH 1</u>	<u>PH 2</u>	<u>PH 3</u>	<u>PH 4</u>	<u>PH 5</u>	<u>PH 6</u>	<u>PH 7</u>	<u>PH 8</u>
NBL	SBT	EBT	WBT	SBL	NBT	-	-
0	0	0	0	0	0	0	0
							

Active Phase Bank: Phase Bank 1

Phase	Walk			Don't Walk			Min Initial			Veh Ext			Max Limit			Max 2			Yellow	Red
Phase Bank																				
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
1 NBL	0	-	0	-	0	-	0	-	0	5	-	5	-	5	2	-	2	-	2	5
2 SBT	4	-	4	-	4	-	4	-	4	26	-	26	-	26	4	-	4	-	4	1
3 EBT	0	-	0	-	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0
4 WBT	4	-	4	-	4	-	4	-	4	28	-	28	-	28	7	-	7	-	7	2.5
5 SBL	0	-	0	-	0	-	0	-	0	0	-	0	-	0	0	-	0	-	0	0
6 NBT	0	-	0	-	0	-	0	-	0	18	-	18	-	18	1	-	1	-	1	30
7 -	0	-	0	-	0	-	0	-	0	5	-	5	-	0	2	-	2	-	0	5
8 -	4	-	4	-	4	-	4	-	4	28	-	28	-	28	7	-	7	-	7	2.5

Last In Service Date: unknown

## Permitted Phases

	<b>12345678</b>
Default	-2-4-678
External Permit 0	-2-4-6-8
External Permit 1	-2-4-678
External Permit 2	-2-4-6-8

Green Time												
<u>Current</u> TOD Schedule	<u>Plan</u>	<u>Cycle</u>	1 NBL	2 SBT	3 EBT	4 WBT	5 SBL	6 NBT	7 -	8 -	<u>Ring Offset</u>	<u>Offset</u>
1		160	0	99	0	47	0	99	8	33	0	126
2		160	0	99	0	47	0	99	8	33	0	140
3		120	0	59	0	47	0	59	8	33	0	106
4		130	0	69	0	47	0	69	8	33	0	16
5		130	0	69	0	47	0	69	8	33	0	125
6		130	0	69	0	47	0	69	8	33	0	64
7		105	0	44	0	47	0	44	8	33	0	44
8		120	0	59	0	47	0	59	8	33	0	12
9		120	0	59	0	47	0	59	8	33	0	66
10		130	0	69	0	47	0	69	8	33	0	76
13		105	0	44	0	47	0	44	8	33	0	68
14		105	0	44	0	47	0	44	8	33	0	68
15		130	0	69	0	47	0	69	8	33	0	126
16		130	0	69	0	47	0	69	8	33	0	78
17		130	0	69	0	47	0	69	8	33	0	56
20		130	0	69	0	47	0	69	8	33	0	116
25		140	0	79	0	47	0	79	8	33	0	46
26		180	0	119	0	47	0	119	8	33	0	174
27		140	0	79	0	47	0	79	8	33	0	76

Local TOD Schedule			
<u>Time</u>	<u>Plan</u>	<u>DOW</u>	
0000	8	Su M T W Th	S
0000	21		F
0030	Free	Su	S
0030	Free	M T W Th	
0600	8	Su M T W Th F	S
0800	7	Su	S
0800	5	M T W Th F	
1000	4	Su	
1030	4		S
1515	16	M T W Th F	
1615	6	M T W Th F	
1830	4	Su M T W Th F	S
2000	8	Su M T W Th F	S
2330	Free	M T W Th	

Current Time of Day Function			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	---5--2-	F
0600	TOD OUTPUTS	-----	Su M T W Th F S
0900	TOD OUTPUTS	-----	M T W Th F
1530	TOD OUTPUTS	-----	M T W Th F

Local Time of Day Function			
<u>Time</u>	<u>Function</u>	<u>Settings *</u>	<u>Day of Week</u>
0000	TOD OUTPUTS	---5--2-	F
0000	TOD OUTPUTS	---5----	Su M T W Th S
0030	TOD OUTPUTS	---5---1	Su
0030	TOD OUTPUTS	---5--2-	M T W Th
0600	TOD OUTPUTS	-----	Su M T W Th F S
0900	TOD OUTPUTS	-----	M T W Th F
1530	TOD OUTPUTS	-----	M T W Th F
2330	TOD OUTPUTS	---5--2-	M T W Th

* Settings
Blank - FREE - Phase Bank 1, Max 1
Blank - Plan - Phase Bank 1, Max 2
1 - Phase Bank 2, Max 1
2 - Phase Bank 2, Max 2
3 - Phase Bank 3, Max 1
4 - Phase Bank 3, Max 2
5 - EXTERNAL PERMIT 1
6 - EXTERNAL PERMIT 2
7 - X-PED OMIT
8 - TBA

<b>No Calendar Defined/Enabled</b>
------------------------------------

15TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: ISIDRO GONZALEZ  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 15ST\_ALT  
 Page : 1

ALL VEHICLES

ALTON ROAD					15TH STREET				ALTON ROAD				15TH STREET				
From North					From East				From South				From West				
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total	
Date 03/04/16																	
16:30	0	26	226	8	3	27	29	37	0	18	275	25	0	6	24	13	717
16:45	0	40	189	9	1	30	34	28	0	14	230	27	0	14	21	13	650
17:00	0	26	216	12	0	31	26	25	0	19	241	19	2	12	19	13	661
17:15	4	33	216	14	0	36	26	22	0	23	242	26	4	14	21	5	686
Hr Total	4	125	847	43	4	124	115	112	0	74	988	97	6	46	85	44	2714
17:30	0	29	227	11	4	25	25	32	0	20	251	20	0	7	19	15	685
17:45	0	41	218	19	0	37	20	30	0	26	221	27	0	6	19	13	677
18:00	0	25	202	10	1	58	30	26	0	25	252	28	0	14	14	22	707
18:15	2	30	232	12	0	55	24	25	0	19	238	24	0	15	13	18	707
Hr Total	2	125	879	52	5	175	99	113	0	90	962	99	0	42	65	68	2776
18:30	0	38	213	9	0	46	28	25	0	18	248	25	0	9	19	20	698
18:45	0	37	219	11	0	32	30	15	0	18	249	30	0	13	16	17	687
Hr Total	0	75	432	20	0	78	58	40	0	36	497	55	0	22	35	37	1385
*TOTAL*	6	325	2158	115	9	377	272	265	0	200	2447	251	6	110	185	149	6875

15TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: ISIDRO GONZALEZ  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 15ST\_ALT  
 Page : 2

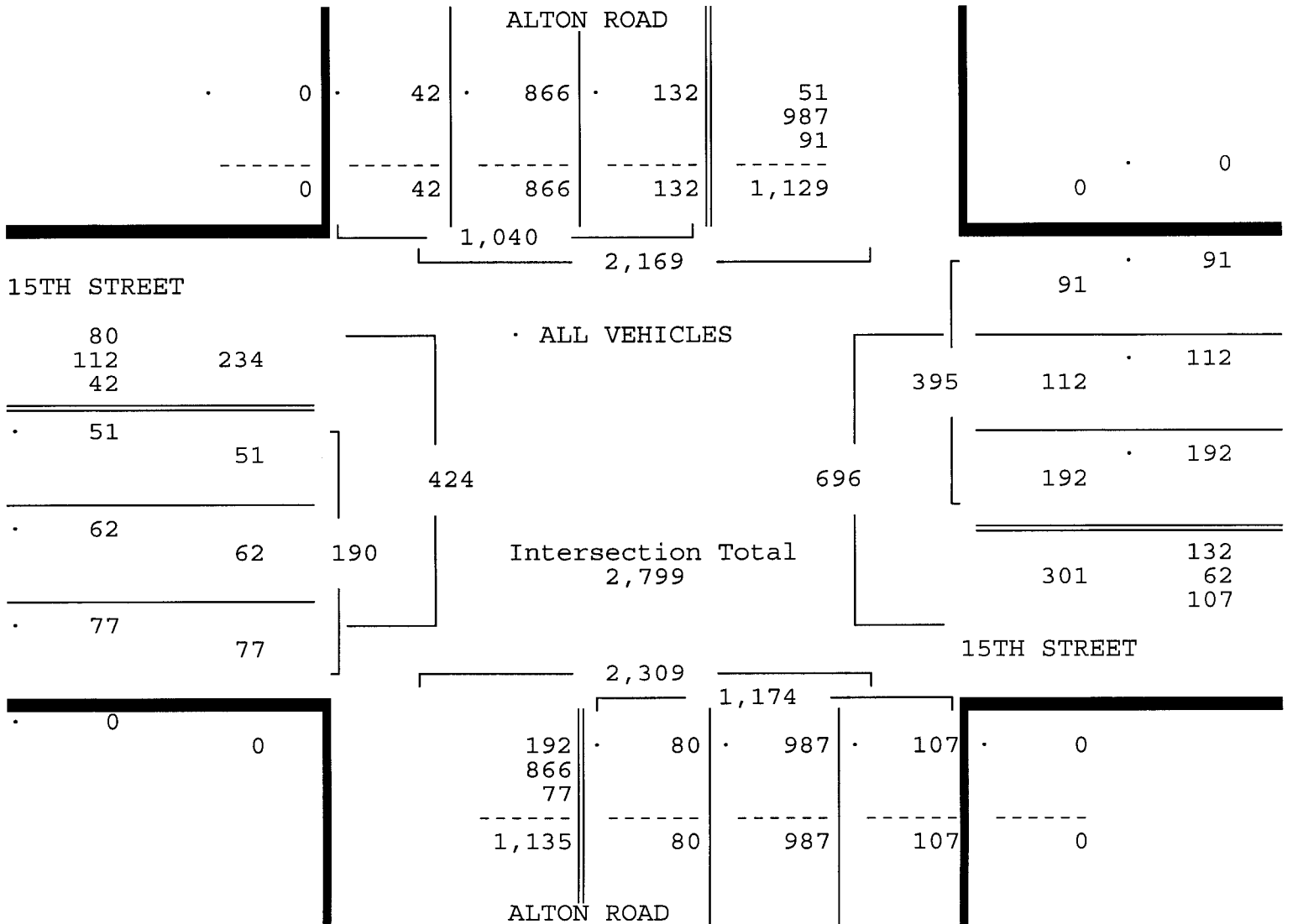
ALL VEHICLES

ALTON ROAD From North				15TH STREET From East				ALTON ROAD From South				15TH STREET From West				Total
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	

Date 03/04/16

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 19:00 on 03/04/16

Peak start 18:00				18:00				18:00				18:00				
Volume	2	130	866	42	1	191	112	91	0	80	987	107	0	51	62	77
Percent	0%	12%	83%	4%	0%	48%	28%	23%	0%	7%	84%	9%	0%	27%	33%	41%
Pk total	1040			395				1174				190				
Highest	18:15			18:00				18:00				18:00				
Volume	2	30	232	12	1	58	30	26	0	25	252	28	0	14	14	22
Hi total	276			115				305				50				
PHF	.94			.86				.96				.95				





15TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: ISIDRO GONZALEZ  
 SIGNALIZED

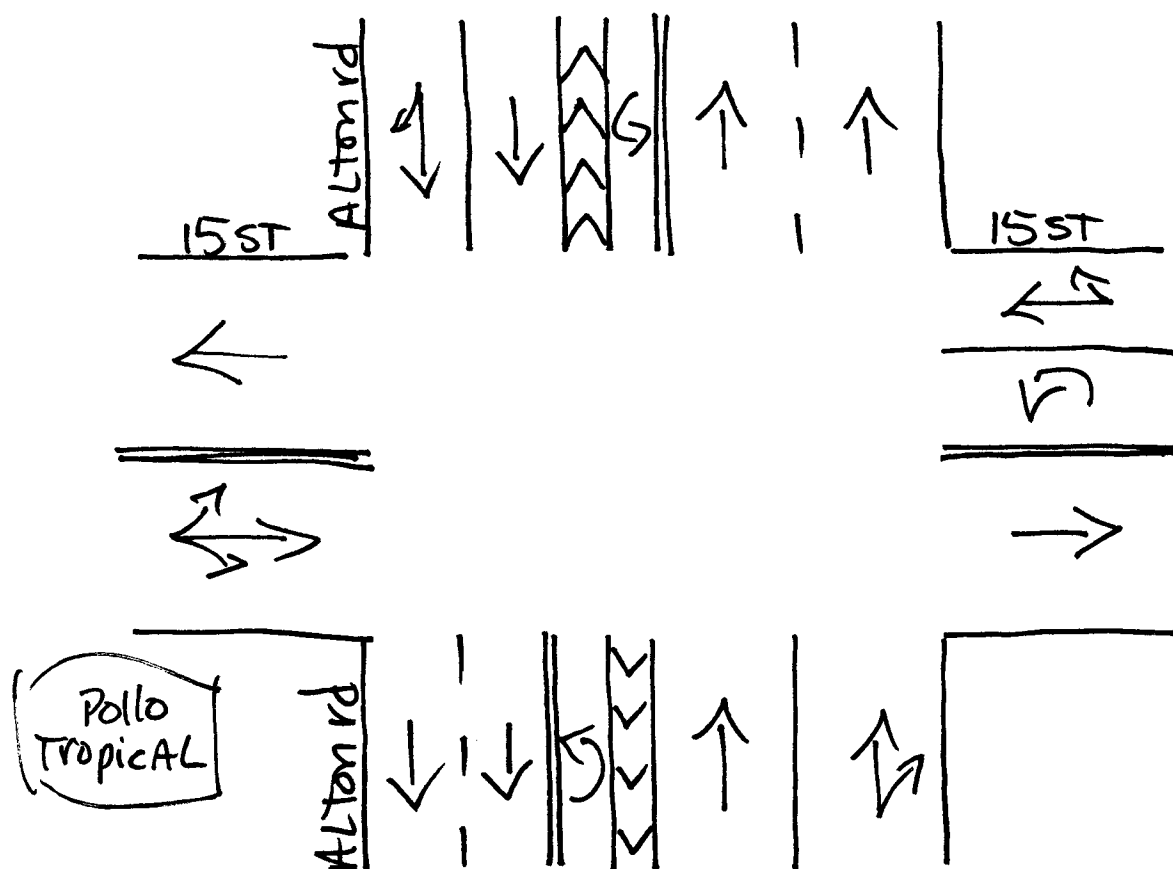
Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 15ST\_ALT  
 Page : 1

PEDESTRIANS & BIKES

ALTON ROAD From North				15TH STREET From East				ALTON ROAD From South				15TH STREET From West								Total
Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds					
Date 03/04/16																				
16:30	0	4	0	32	0	3	0	23	0	10	0	29	0	7	0	41				149
16:45	0	10	0	19	0	5	0	34	0	5	0	13	0	3	0	27				116
17:00	0	5	0	18	0	1	0	16	0	1	0	9	0	5	0	20				75
17:15	0	4	0	16	0	0	0	15	0	3	0	12	0	2	0	15				67
Hr Total	0	23	0	85	0	9	0	88	0	19	0	63	0	17	0	103				407
17:30	0	0	0	8	0	6	0	14	0	0	0	3	0	1	0	17				49
17:45	0	11	0	29	0	3	0	14	0	3	0	32	0	1	0	14				107
18:00	0	3	0	24	0	0	0	21	0	1	0	13	0	6	0	21				89
18:15	0	0	0	15	0	12	0	26	0	5	0	12	0	0	5	33				108
Hr Total	0	14	0	76	0	21	0	75	0	9	0	60	0	8	5	85				353
18:30	0	1	0	6	0	1	0	9	0	3	0	8	0	0	0	14				42
18:45	0	1	0	13	0	0	0	11	0	1	0	4	0	3	0	17				50
Hr Total	0	2	0	19	0	1	0	20	0	4	0	12	0	3	0	31				92
*TOTAL*	0	39	0	180	0	31	0	183	0	32	0	135	0	28	5	219				852

↑  
North



Miami Beach, Florida  
February 24, 2016  
drawn by: Luis Palomino  
signalized

16TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: MARCELLO MINO-WILZEK  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 16STALTR  
 Page : 1

ALL VEHICLES

ALTON ROAD From North					16TH STREET From East				ALTON ROAD From South				16TH STREET From West						
UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right	
Date 03/04/16																			
16:30	0	34	192	15	0	28	12	31	0	14	240	43	0	11	20	12		652	
16:45	2	23	174	8	0	21	15	33	0	8	223	36	0	17	15	10		585	
17:00	0	35	201	16	0	25	15	28	1	16	221	29	0	9	10	16		622	
17:15	2	31	208	14	0	27	12	22	1	9	206	31	0	14	17	11		605	
Hr Total	4	123	775	53	0	101	54	114	2	47	890	139	0	51	62	49		2464	
17:30	0	28	186	14	1	23	11	36	0	12	234	28	0	14	16	9		612	
17:45	0	23	211	6	0	25	23	30	0	11	215	28	0	4	15	8		599	
18:00	0	28	172	8	0	22	10	30	0	13	211	28	1	7	13	13		556	
18:15	0	29	201	7	0	20	16	28	0	14	226	26	0	9	15	16		607	
Hr Total	0	108	770	35	1	90	60	124	0	50	886	110	1	34	59	46		2374	
18:30	0	30	197	15	0	24	17	31	1	11	211	20	0	5	10	13		585	
18:45	0	29	198	11	0	26	10	28	0	18	247	31	0	8	16	12		634	
Hr Total	0	59	395	26	0	50	27	59	1	29	458	51	0	13	26	25		1219	
*TOTAL*	4	290	1940	114	1	241	141	297	3	126	2234	300	1	98	147	120		6057	

16TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: MARCELLO MINO-WILZEK  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 16STALTR  
 Page : 2

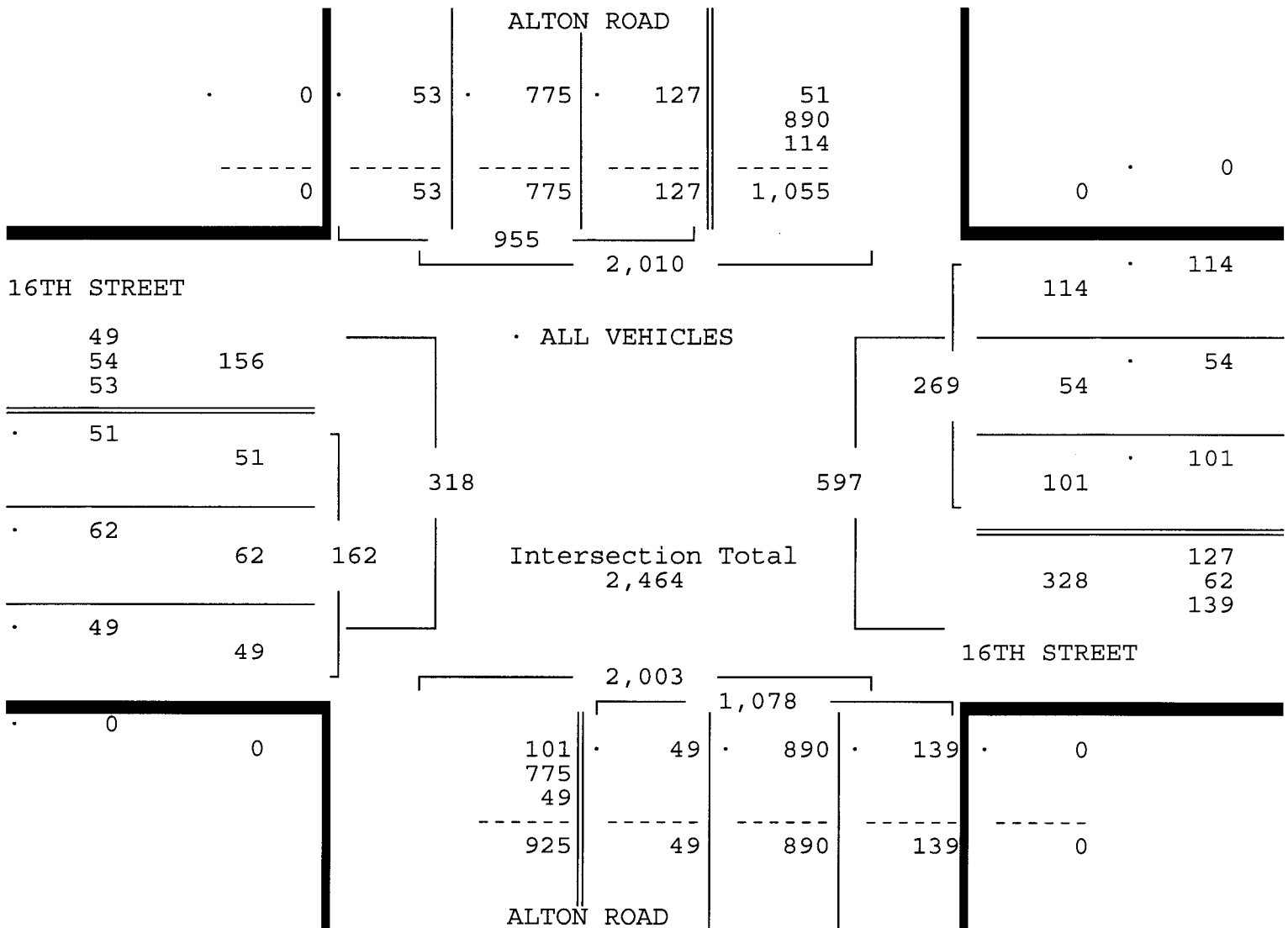
ALL VEHICLES

ALTON ROAD From North				16TH STREET From East				ALTON ROAD From South				16TH STREET From West				Total
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	

Date 03/04/16

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 19:00 on 03/04/16

Peak start 16:30					16:30				16:30				16:30							
Volume	4	123	775	53	0	101	54	114	2	47	890	139	0	51	62	49				
Percent	0%	13%	81%	6%	0%	38%	20%	42%	0%	4%	83%	13%	0%	31%	38%	30%				
Pk total	955					269					1078					162				
Highest	17:15					16:30					16:30					16:30				
Volume	2	31	208	14	0	28	12	31	0	14	240	43	0	11	20	12				
Hi total	255					71					297					43				
PHF	.94					.95					.91					.94				



16TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: MARCELLO MINO-WILZEK  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

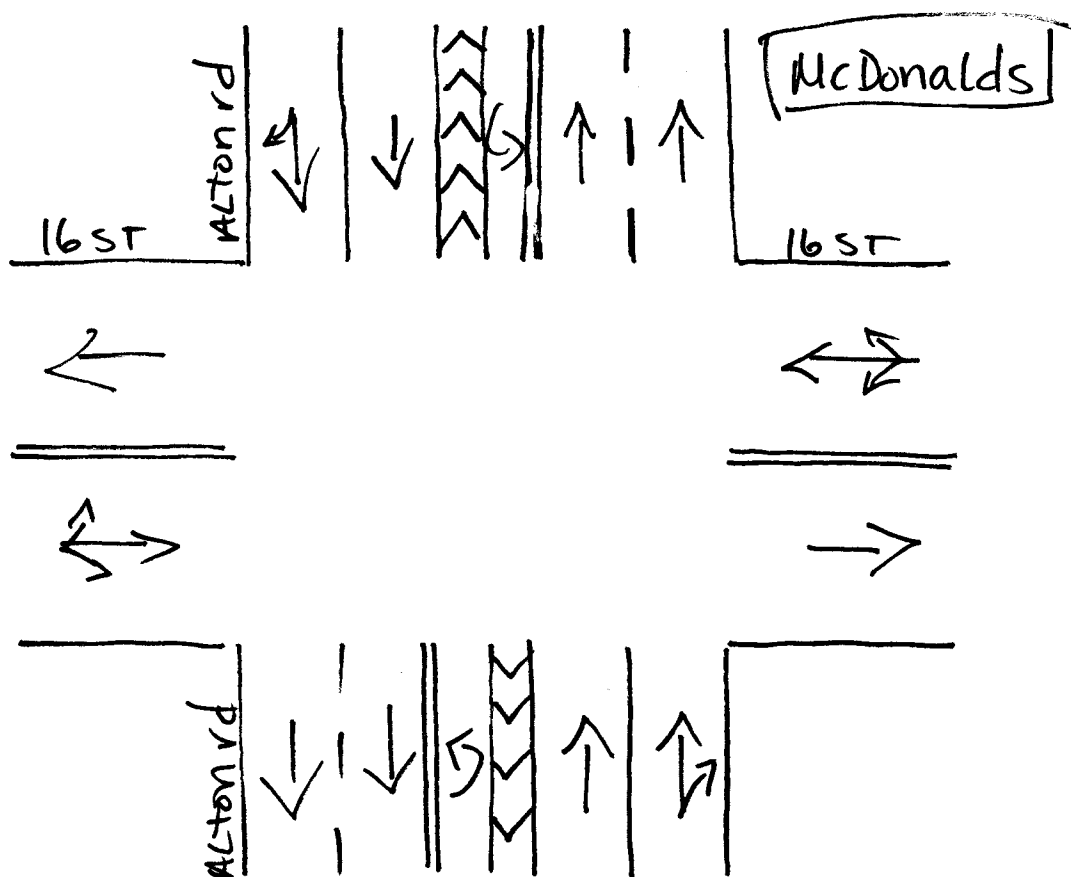
Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 16STALTR  
 Page : 1

PEDESTRIANS & BIKES

ALTON ROAD					16TH STREET					ALTON ROAD					16TH STREET					
From North					From East					From South					From West					
	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Total			
Date 03/04/16																				
16:30	0	2	0	7	0	0	0	20	0	0	0	2	0	0	0	5	36			
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hr Total	0	2	0	7	0	0	0	20	0	0	0	2	0	0	0	5	36			
17:30	0	0	0	11	0	0	0	0	0	0	0	8	0	3	0	3	25			
17:45	0	0	0	23	0	0	0	9	0	2	0	12	0	2	0	19	67			
18:00	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	11	30			
18:15	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	14			
Hr Total	0	0	0	48	0	0	0	28	0	2	0	20	0	5	0	33	136			
18:30	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	14	40			
18:45	0	10	0	28	0	0	0	9	0	1	0	5	0	0	0	13	66			
Hr Total	0	10	0	28	0	0	0	35	0	1	0	5	0	0	0	27	106			
*TOTAL*	0	12	0	83	0	0	0	83	0	3	0	27	0	5	0	65	278			



North



Miami Beach, Florida  
February 24, 2016  
drawn by: Luis Palomino  
Signalized

16TH STREET & ALTON COURT  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: CRISTINA PALOMINO  
 NOT SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 16ST\_ALT  
 Page : 1

ALL VEHICLES

ALTON COURT					16TH STREET				ALTON COURT				16TH STREET						
From North					From East				From South				From West						
UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right	
Date 03/04/16																			
16:30	0	1	0	0	1	1	33	4	0	0	5	4	0	0	31	0			80
16:45	0	5	0	0	3	1	28	5	0	0	2	5	0	1	38	0			88
17:00	0	0	0	1	0	0	38	2	0	2	2	3	0	2	26	0			76
17:15	0	0	0	1	0	0	29	1	0	0	1	4	0	0	36	0			72
Hr Total	0	6	0	2	4	2	128	12	0	2	10	16	0	3	131	0			316
17:30	0	2	0	1	2	0	32	2	0	2	2	3	0	0	28	0			74
17:45	0	1	0	1	0	0	39	2	0	0	4	5	0	1	22	0			75
18:00	0	0	0	0	0	0	23	1	0	0	1	3	0	2	27	0			57
18:15	0	1	0	1	2	0	31	4	0	1	2	0	0	2	32	0			76
Hr Total	0	4	0	3	4	0	125	9	0	3	9	11	0	5	109	0			282
18:30	0	2	0	0	4	1	31	3	0	3	1	2	0	0	22	0			69
18:45	0	1	0	0	0	0	29	4	0	3	3	7	0	2	33	0			82
Hr Total	0	3	0	0	4	1	60	7	0	6	4	9	0	2	55	0			151
*TOTAL*	0	13	0	5	12	3	313	28	0	11	23	36	0	10	295	0			749

16TH STREET & ALTON COURT  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: CRISTINA PALOMINO  
 NOT SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 16ST\_ALT  
 Page : 2

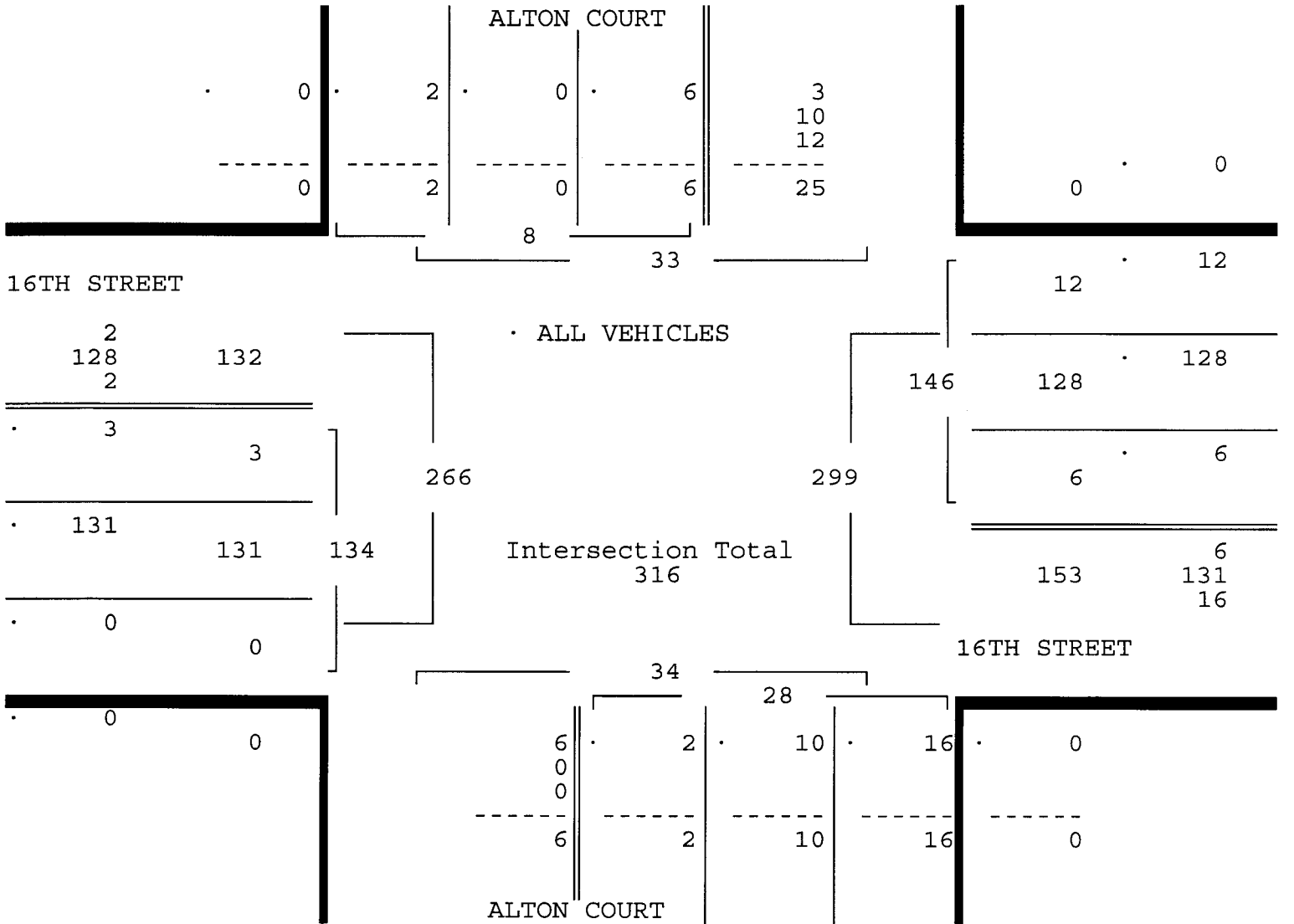
ALL VEHICLES

ALTON COURT From North				16TH STREET From East				ALTON COURT From South				16TH STREET From West				Total
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	

Date 03/04/16

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 19:00 on 03/04/16

Peak start 16:30				16:30				16:30				16:30				
Volume	0	6	0	2	4	2	128	12	0	2	10	16	0	3	131	0
Percent	0%	75%	0%	25%	3%	1%	88%	8%	0%	7%	36%	57%	0%	2%	98%	0%
Pk total	8				146				28				134			
Highest	16:45				17:00				16:30				16:45			
Volume	0	5	0	0	0	0	38	2	0	0	5	4	0	1	38	0
Hi total	5				40				9				39			
PHF	.40				.91				.78				.86			



16TH STREET & ALTON COURT  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: CRISTINA PALOMINO  
 NOT SIGNALIZED

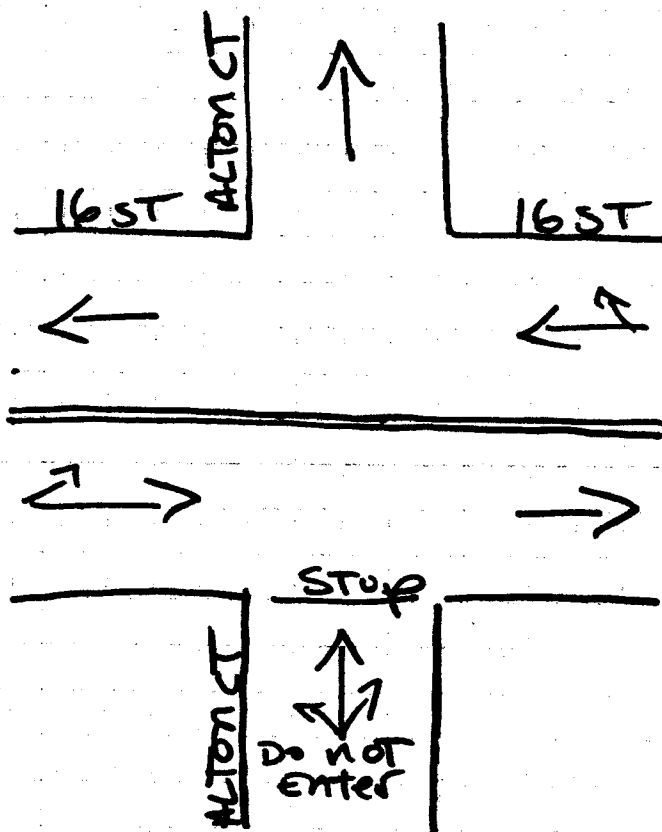
Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 16ST\_ALT  
 Page : 1

PEDESTRIANS & BIKES

ALTON COURT From North				16TH STREET From East				ALTON COURT From South				16TH STREET From West					
Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Total	
Date 03/04/16																	
16:30	0	7	0	7	0	1	0	2	0	6	0	5	0	0	0	1	29
16:45	0	3	0	0	0	0	0	2	0	4	0	10	0	0	0	0	19
17:00	0	7	0	11	0	0	0	10	0	3	0	8	0	0	0	0	39
17:15	0	7	0	18	0	0	0	3	0	3	0	3	0	0	0	1	35
Hr Total	0	24	0	36	0	1	0	17	0	16	0	26	0	0	0	2	122
17:30	0	4	0	4	0	0	0	0	0	0	0	6	0	0	0	0	14
17:45	0	6	0	13	0	0	0	0	0	5	0	10	0	0	0	0	34
18:00	0	12	0	15	0	0	0	2	0	4	0	24	0	0	0	0	57
18:15	0	7	0	16	0	2	0	6	0	6	0	19	0	0	0	0	56
Hr Total	0	29	0	48	0	2	0	8	0	15	0	59	0	0	0	0	161
18:30	0	6	0	3	0	0	0	4	0	7	0	12	0	0	0	0	32
18:45	0	0	0	8	0	0	0	2	0	0	0	5	0	0	0	0	15
Hr Total	0	6	0	11	0	0	0	6	0	7	0	17	0	0	0	0	47
*TOTAL*	0	59	0	95	0	3	0	31	0	38	0	102	0	0	0	2	330

↑  
North



Miami Beach, Florida  
JULY 14, 2014  
drawn by: Luis Palomino  
NOT signalized ✓

LINCOLN ROAD & ALTON COURT  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: ALBERTO GUTIERREZ  
 NOT SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : LIN\_ALCT  
 Page : 1

ALL VEHICLES

ALTON COURT From North					LINCOLN ROAD From East				ALTON COURT From South				LINCOLN ROAD From West							
UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		Total
Date 03/04/16 -----																				
16:30	0	0	0	1	2	0	31	1	0	6	2	6	0	2	36	1				88
16:45	0	1	0	3	4	1	44	12	0	4	2	5	0	0	39	0				115
17:00	0	0	0	2	3	0	24	4	0	2	2	4	0	5	42	0				88
17:15	0	1	0	1	4	0	30	11	0	3	2	7	2	0	40	1				102
Hr Total	0	2	0	7	13	1	129	28	0	15	8	22	2	7	157	2				393
17:30	0	1	0	1	6	0	31	3	0	4	4	9	0	2	36	0				97
17:45	0	1	0	0	1	0	30	6	1	2	2	11	0	3	26	0				83
18:00	0	0	0	2	3	0	31	6	0	5	1	7	0	2	44	0				101
18:15	1	1	0	0	3	0	35	3	1	2	1	4	0	0	43	0				94
Hr Total	1	3	0	3	13	0	127	18	2	13	8	31	0	7	149	0				375
18:30	1	1	0	4	6	0	32	1	0	3	2	6	0	1	45	0				102
18:45	0	1	0	1	6	0	40	10	0	3	7	11	0	2	44	0				125
Hr Total	1	2	0	5	12	0	72	11	0	6	9	17	0	3	89	0				227
-----																				
*TOTAL*	2	7	0	15	38	1	328	57	2	34	25	70	2	17	395	2				995

LINCOLN ROAD & ALTON COURT  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: ALBERTO GUTIERREZ  
 NOT SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : LIN\_ALCT  
 Page : 2

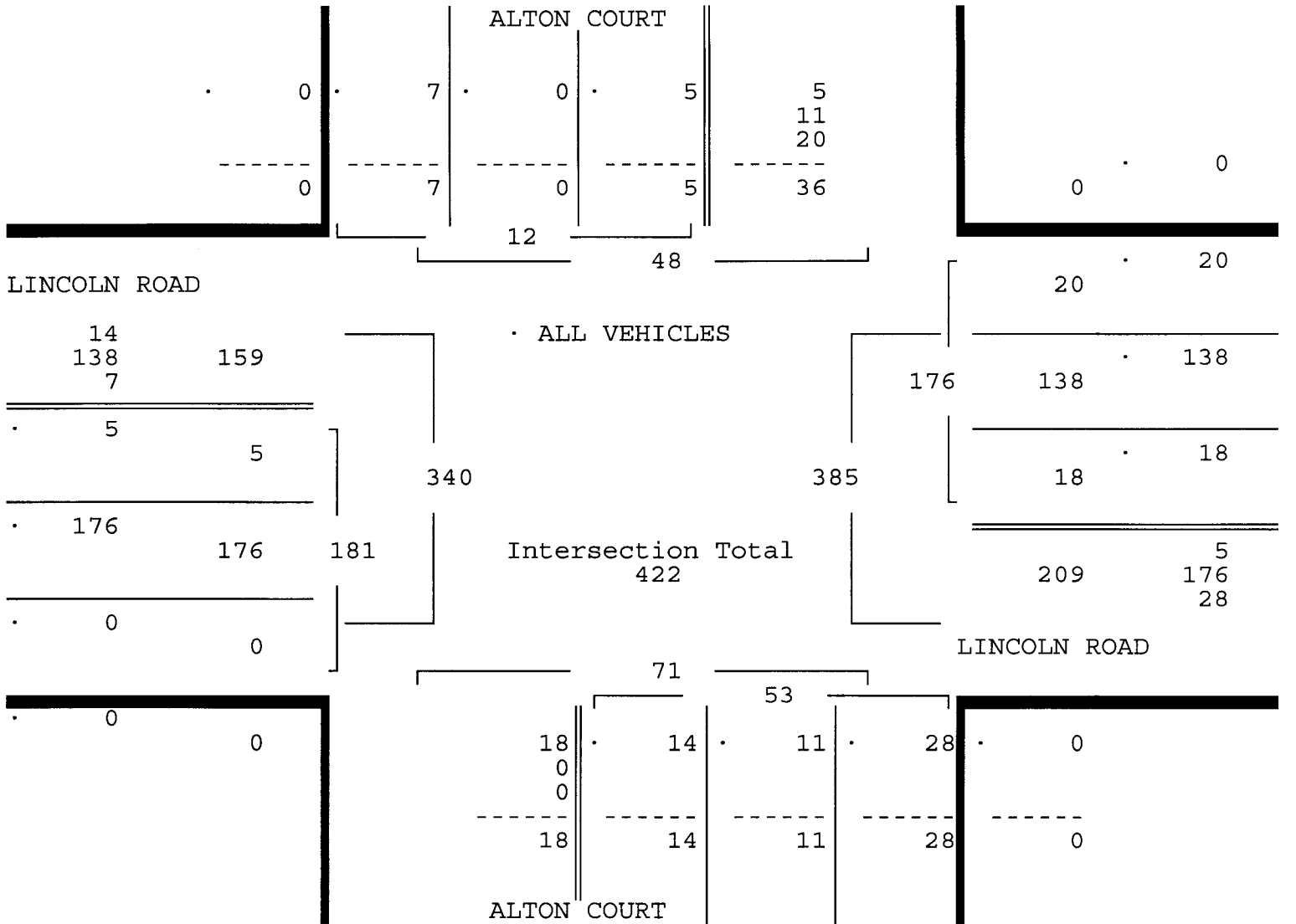
ALL VEHICLES

ALTON COURT From North				LINCOLN ROAD From East				ALTON COURT From South				LINCOLN ROAD From West				Total
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	

Date 03/04/16

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 19:00 on 03/04/16

Peak start 18:00					18:00				18:00				18:00			
Volume	2	3	0	7	18	0	138	20	1	13	11	28	0	5	176	0
Percent	17%	25%	0%	58%	10%	0%	78%	11%	2%	25%	21%	53%	0%	3%	97%	0%
Pk total	12				176				53				181			
Highest	18:30				18:45				18:45				18:00			
Volume	1	1	0	4	6	0	40	10	0	3	7	11	0	2	44	0
Hi total	6				56				21				46			
PHF	.50				.79				.63				.98			





LINCOLN ROAD & ALTON COURT  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: ALBERTO GUTIERREZ  
 NOT SIGNALIZED

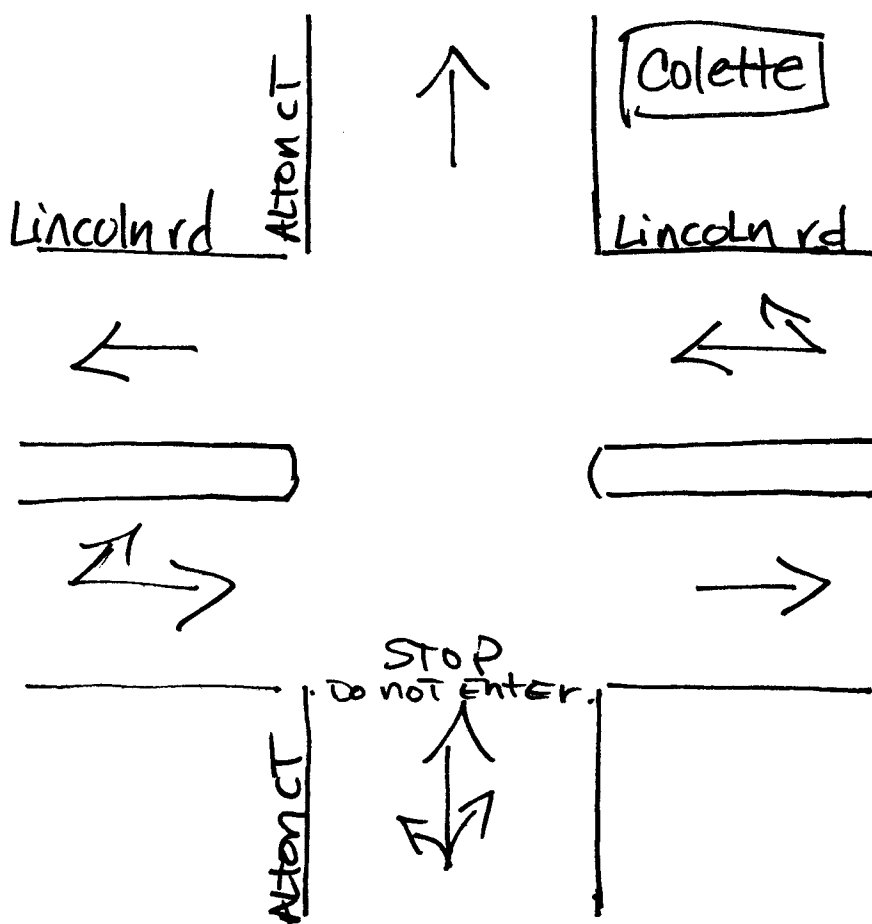
Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : LIN\_ALCT  
 Page : 1

PEDESTRIANS & BIKES

ALTON COURT					LINCOLN ROAD				ALTON COURT				LINCOLN ROAD				
From North					From East				From South				From West				
	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Total
Date 03/04/16																	
16:30	0	3	0	41	0	3	0	7	0	0	0	39	0	1	0	4	98
16:45	0	4	0	91	0	1	0	7	0	8	0	53	0	0	0	3	167
17:00	0	5	0	117	0	0	0	1	0	4	0	60	0	0	0	6	193
17:15	0	2	0	117	0	0	0	6	0	5	0	62	0	2	0	0	194
Hr Total	0	14	0	366	0	4	0	21	0	17	0	214	0	3	0	13	652
17:30	0	6	0	112	0	2	0	9	0	7	0	70	0	0	0	4	210
17:45	0	6	0	109	0	0	0	22	0	5	0	114	0	0	0	0	256
18:00	0	3	0	128	0	2	0	5	0	2	0	135	0	0	0	8	283
18:15	0	2	0	120	0	3	0	4	0	6	0	102	0	0	0	4	241
Hr Total	0	17	0	469	0	7	0	40	0	20	0	421	0	0	0	16	990
18:30	0	5	0	108	0	5	0	0	0	3	0	108	0	2	0	3	234
18:45	0	2	0	98	0	5	0	21	0	1	0	176	0	0	0	0	303
Hr Total	0	7	0	206	0	10	0	21	0	4	0	284	0	2	0	3	537
*TOTAL*	0	38	0	1041	0	21	0	82	0	41	0	919	0	5	0	32	2179

↑  
North



Miami Beach, Florida

February 24, 2016

drawn by: Luis Palomino  
not signalized

LINCOLN ROAD & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: DREW GONZALEZ  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : LINC\_ALT  
 Page : 1

ALL VEHICLES

ALTON ROAD					-----					ALTON ROAD					LINCOLN ROAD					
From North					From East					From South					From West					
UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		UTurn	Left	Thru	Right		
Date 03/04/16 -----																				Total
16:30	0	0	224	32	0	0	0	0	0	0	11	213	0	0	0	27	0	12	519	
16:45	6	0	237	44	0	0	0	0	0	0	12	200	0	0	0	36	0	11	546	
17:00	2	0	218	24	0	0	0	0	0	0	5	194	0	0	0	32	0	21	496	
17:15	4	0	251	28	0	0	0	0	0	0	15	193	0	1	0	27	0	21	540	
Hr Total	12	0	930	128	0	0	0	0	0	0	43	800	0	1	0	122	0	65	2101	
17:30	3	0	249	26	0	0	0	0	0	0	13	245	0	0	0	23	0	16	575	
17:45	1	0	212	24	0	0	0	0	0	0	21	181	0	0	0	24	0	21	484	
18:00	0	0	180	20	0	0	0	0	0	0	18	190	0	0	0	26	0	23	457	
18:15	1	0	238	27	0	0	0	0	0	0	12	203	0	0	0	34	0	18	533	
Hr Total	5	0	879	97	0	0	0	0	0	0	64	819	0	0	0	107	0	78	2049	
18:30	7	0	225	23	0	0	0	0	0	1	14	216	0	1	0	28	0	18	533	
18:45	1	0	236	26	0	0	0	0	0	1	23	225	0	0	0	23	0	25	560	
Hr Total	8	0	461	49	0	0	0	0	0	2	37	441	0	1	0	51	0	43	1093	
-----																				
*TOTAL*	25	0	2270	274	0	0	0	0	0	2	144	2060	0	2	0	280	0	186	5243	

LINCOLN ROAD & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: DREW GONZALEZ  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : LINC\_ALT  
 Page : 2

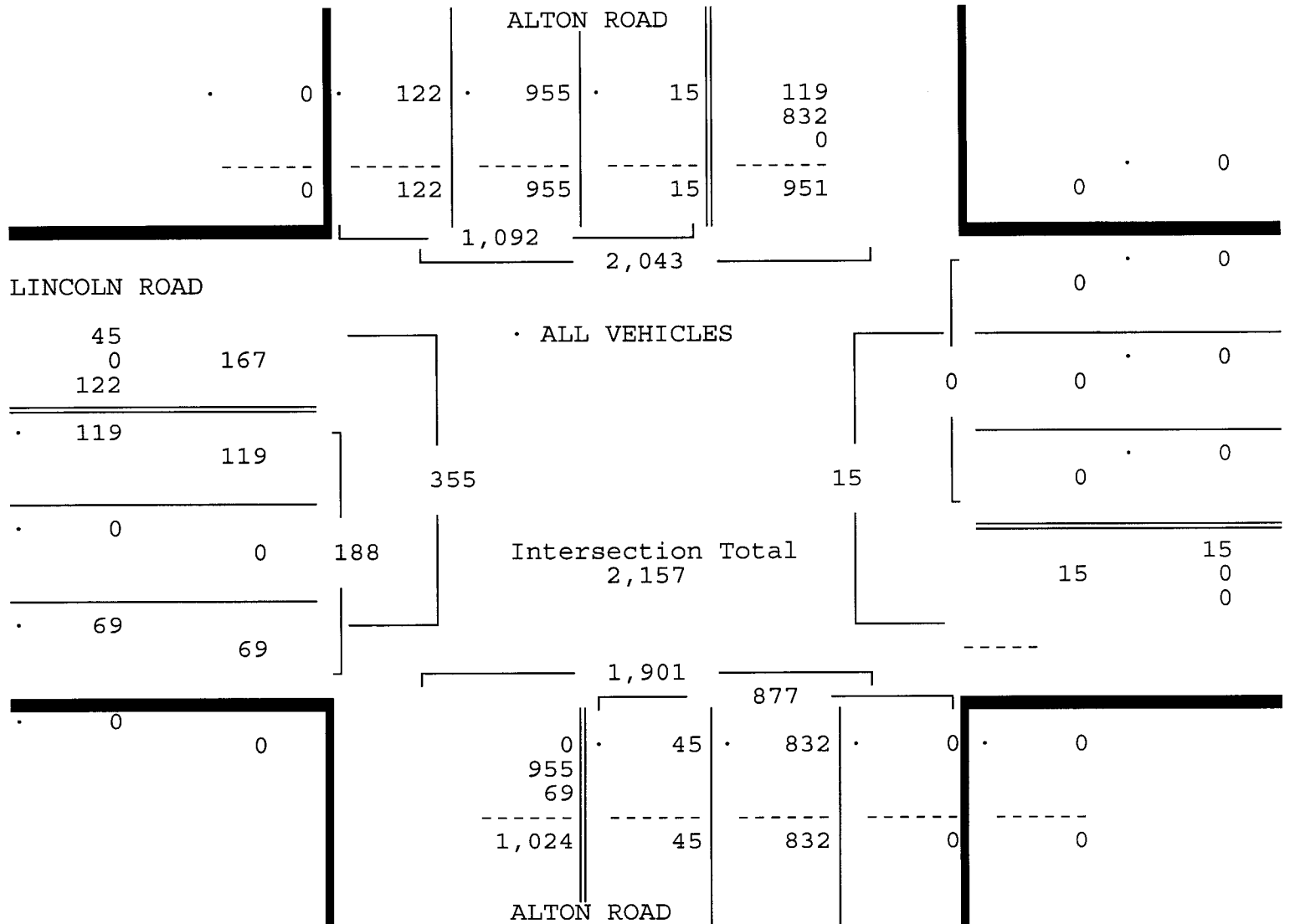
ALL VEHICLES

ALTON ROAD From North				From East				ALTON ROAD From South				LINCOLN ROAD From West				Total
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	

Date 03/04/16

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 19:00 on 03/04/16

Peak start	16:45				16:45				16:45				16:45							
Volume	15	0	955	122	0	0	0	0	0	45	832	0	1	118	0	69				
Percent	1%	0%	87%	11%	0%	0%	0%	0%	0%	5%	95%	0%	1%	63%	0%	37%				
Pk total	1092				0				877				188							
Highest	16:45				16:30				17:30				17:00							
Volume	6	0	237	44	0	0	0	0	0	13	245	0	0	32	0	21				
Hi total	287				0				258				53							
PHF	.95				.0				.85				.89							



LINCOLN ROAD & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: DREW GONZALEZ  
 SIGNALIZED

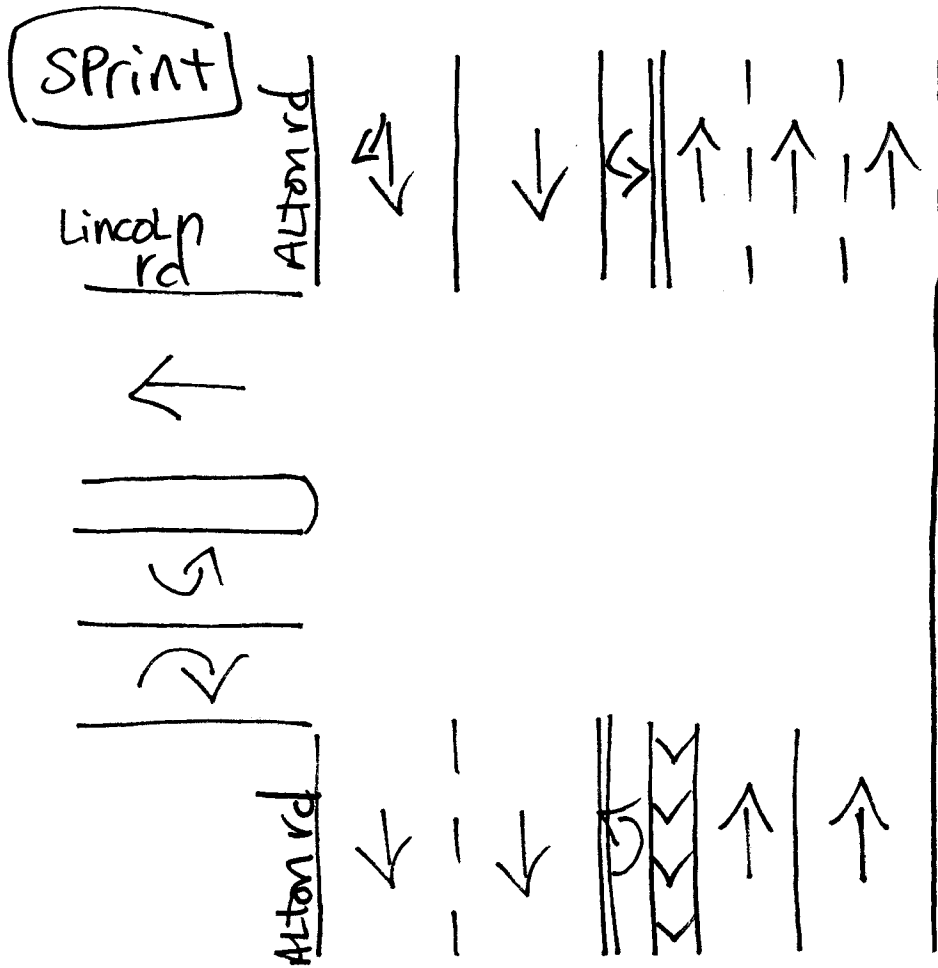
Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : LINC\_ALT  
 Page : 1

PEDESTRIANS & BIKES

ALTON ROAD					-----				ALTON ROAD				LINCOLN ROAD						
From North					From East				From South				From West						
Left BIKES Right Peds					Left BIKES Right Peds				Left BIKES Right Peds				Left BIKES Right Peds				Total		
Date 03/04/16 -----																			
16:30	0	4	0	67	0	0	0	4	0	2	0	38	0	4	0	15	134		
16:45	0	0	0	45	0	0	0	0	0	0	0	29	0	0	0	35	109		
17:00	0	0	0	44	0	0	0	0	0	0	0	33	0	0	0	28	105		
17:15	0	0	0	48	0	0	0	0	0	0	0	35	0	1	0	36	120		
Hr Total	0	4	0	204	0	0	0	4	0	2	0	135	0	5	0	114	468		
17:30	0	0	0	57	0	0	0	0	0	0	0	42	0	0	0	26	125		
17:45	0	0	0	5	0	0	0	0	0	0	0	9	0	0	0	7	21		
18:00	0	0	0	9	0	0	0	0	0	0	0	11	0	0	0	11	31		
18:15	0	0	0	73	0	0	0	0	0	0	0	41	0	0	0	31	145		
Hr Total	0	0	0	144	0	0	0	0	0	0	0	103	0	0	0	75	322		
18:30	0	0	0	75	0	0	0	0	0	0	0	44	0	0	0	42	161		
18:45	0	0	0	52	0	0	0	0	0	0	0	42	0	0	0	46	140		
Hr Total	0	0	0	127	0	0	0	0	0	0	0	86	0	0	0	88	301		
-----																			
*TOTAL*	0	4	0	475	0	0	0	4	0	2	0	324	0	5	0	277	1091		

North



Miami Beach, Florida  
February 24, 2016  
drawn by: Luis Palomino  
signalized

17TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: SEBASTIAN SALVO  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 17ST\_ALT  
 Page : 1

ALL VEHICLES

ALTON ROAD					17TH STREET				ALTON ROAD				17TH STREET				
From North					From East				From South				From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 03/04/16																	
16:30	0	54	201	34	0	51	59	48	0	29	224	45	0	46	44	25	860
16:45	1	53	210	30	1	36	51	52	0	22	197	50	0	48	53	11	815
17:00	0	65	249	46	0	52	54	41	0	27	191	44	0	52	52	16	889
17:15	0	44	224	33	0	64	58	60	1	26	171	52	0	39	33	13	818
Hr Total	1	216	884	143	1	203	222	201	1	104	783	191	0	185	182	65	3382
17:30	0	47	208	53	0	56	64	33	2	21	199	67	0	41	40	35	866
17:45	0	47	213	41	0	50	57	50	0	26	182	69	0	46	49	14	844
18:00	2	48	203	40	0	49	43	50	0	18	190	80	0	30	36	20	809
18:15	2	54	212	63	0	70	42	45	1	22	191	68	0	40	44	21	875
Hr Total	4	196	836	197	0	225	206	178	3	87	762	284	0	157	169	90	3394
18:30	0	61	222	50	0	52	49	54	0	21	165	62	0	31	34	24	825
18:45	3	68	195	54	1	47	51	63	0	24	175	82	0	42	38	23	866
Hr Total	3	129	417	104	1	99	100	117	0	45	340	144	0	73	72	47	1691
*TOTAL*	8	541	2137	444	2	527	528	496	4	236	1885	619	0	415	423	202	8467



17TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: SEBASTIAN SALVO  
 SIGNALIZED

Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 17ST\_ALT  
 Page : 2

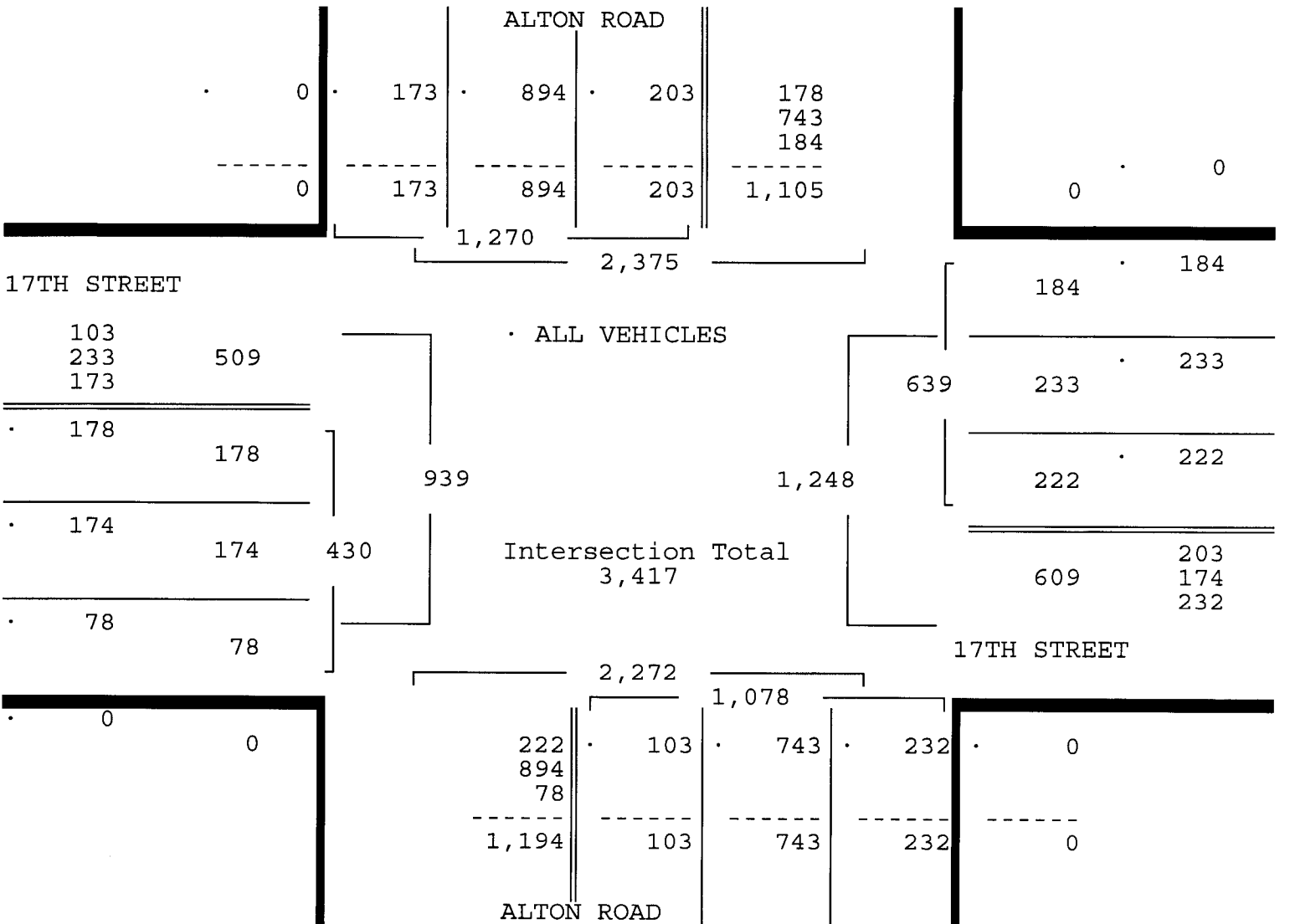
ALL VEHICLES

ALTON ROAD From North				17TH STREET From East				ALTON ROAD From South				17TH STREET From West				Total
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	

Date 03/04/16

Peak Hour Analysis By Entire Intersection for the Period: 16:30 to 19:00 on 03/04/16

Peak start 17:00					17:00				17:00				17:00			
Volume	0	203	894	173	0	222	233	184	3	100	743	232	0	178	174	78
Percent	0%	16%	70%	14%	0%	35%	36%	29%	0%	9%	69%	22%	0%	41%	40%	18%
Pk total	1270					639					1078					430
Highest	17:00					17:15					17:30					17:00
Volume	0	65	249	46	0	64	58	60	2	21	199	67	0	52	52	16
Hi total	360					182					289					120
PHF	.88					.88					.93					.90



17TH STREET & ALTON ROAD  
 MIAMI BEACH, FLORIDA  
 COUNTED BY: SEBASTIAN SALVO  
 SIGNALIZED

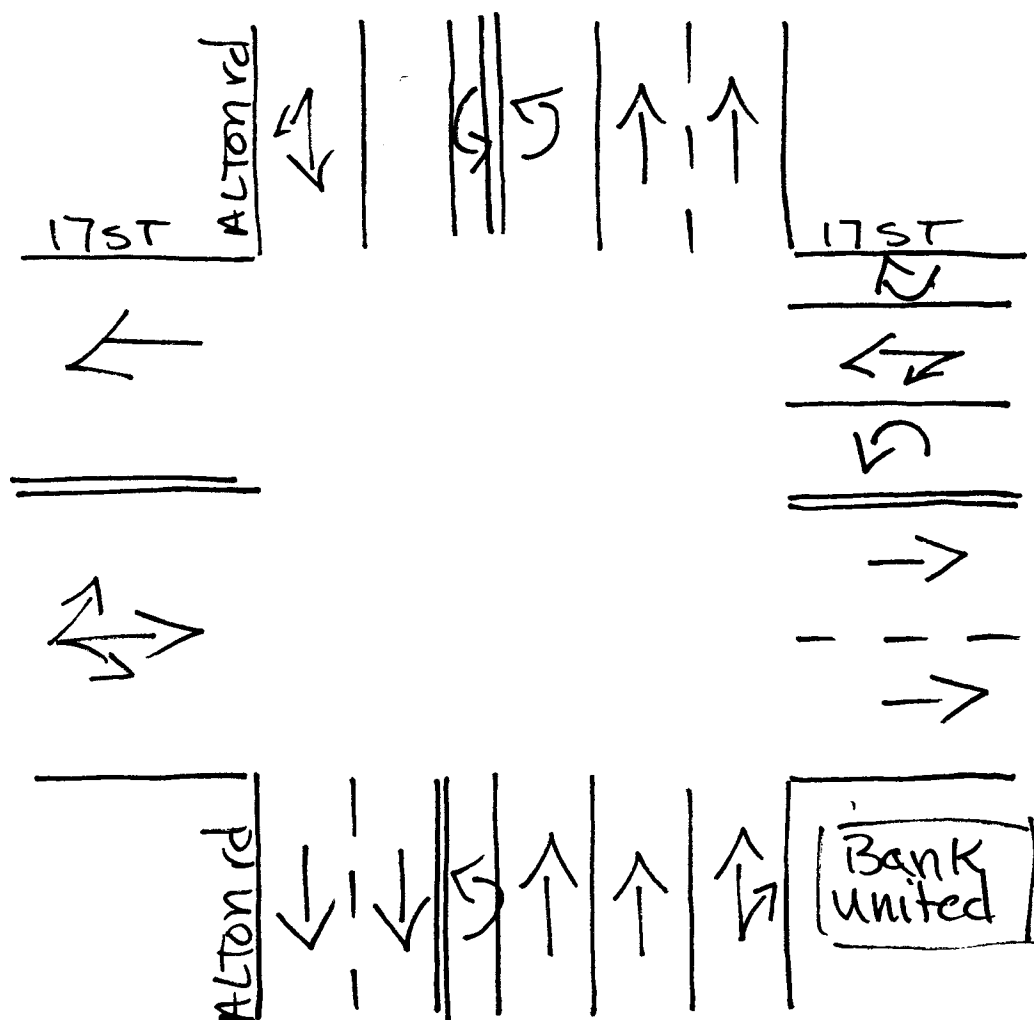
Traffic Survey Specialists, Inc.  
 85 SE 4th Avenue, Unit 109  
 Delray Beach, Florida 33483  
 Phone (561) 272-3255

Site Code : 00160041  
 Start Date: 03/04/16  
 File I.D. : 17ST\_ALT  
 Page : 1

PEDESTRIANS & BIKES

Date 03/04/16	ALTON ROAD From North				17TH STREET From East				ALTON ROAD From South				17TH STREET From West				Total
	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	Left	BIKES	Right	Peds	
16:30	0	2	0	4	0	0	0	6	0	2	0	3	0	2	0	13	32
16:45	0	3	0	2	0	2	0	14	0	3	0	6	0	1	0	8	39
17:00	0	5	0	4	0	2	0	7	0	4	0	11	0	0	0	14	47
17:15	0	7	0	18	0	3	0	11	0	4	0	16	0	0	0	13	72
Hr Total	0	17	0	28	0	7	0	38	0	13	0	36	0	3	0	48	190
17:30	0	2	0	10	0	3	0	16	0	3	0	18	0	2	0	25	79
17:45	0	2	0	11	0	2	0	21	0	2	0	7	0	2	0	18	65
18:00	0	2	0	1	0	4	0	14	0	2	0	23	0	3	0	9	58
18:15	0	1	0	3	0	5	0	20	0	4	0	20	0	3	0	32	88
Hr Total	0	7	0	25	0	14	0	71	0	11	0	68	0	10	0	84	290
18:30	0	1	0	9	0	0	0	22	0	1	0	10	0	2	0	19	64
18:45	0	4	0	19	0	1	0	8	0	1	0	14	0	2	0	17	66
Hr Total	0	5	0	28	0	1	0	30	0	2	0	24	0	4	0	36	130
*TOTAL*	0	29	0	81	0	22	0	139	0	26	0	128	0	17	0	168	610

↑  
North



Miami Beach, Florida

February 24, 2016

drawn by: Luis Palomino  
signalized

# **APPENDIX D**

## **Peak Season Conversion Factors and Growth Rate Calculations**

2014 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL  
 CATEGORY: 8701 MIAMI-DADE SOUTH

WEEK	DATES	SF	MOCF: 0.99 PSCF
1	01/01/2014 - 01/04/2014	0.98	0.99
2	01/05/2014 - 01/11/2014	1.01	1.02
3	01/12/2014 - 01/18/2014	1.03	1.04
4	01/19/2014 - 01/25/2014	1.02	1.03
5	01/26/2014 - 02/01/2014	1.01	1.02
6	02/02/2014 - 02/08/2014	1.00	1.01
7	02/09/2014 - 02/15/2014	1.00	1.01
8	02/16/2014 - 02/22/2014	0.99	1.00
* 9	02/23/2014 - 03/01/2014	0.99	1.00
*10	03/02/2014 - 03/08/2014	0.99	1.00
*11	03/09/2014 - 03/15/2014	0.99	1.00
*12	03/16/2014 - 03/22/2014	0.99	1.00
*13	03/23/2014 - 03/29/2014	0.99	1.00
*14	03/30/2014 - 04/05/2014	0.99	1.00
*15	04/06/2014 - 04/12/2014	0.99	1.00
*16	04/13/2014 - 04/19/2014	0.99	1.00
*17	04/20/2014 - 04/26/2014	0.99	1.00
*18	04/27/2014 - 05/03/2014	0.99	1.00
*19	05/04/2014 - 05/10/2014	0.99	1.00
*20	05/11/2014 - 05/17/2014	0.99	1.00
*21	05/18/2014 - 05/24/2014	0.99	1.00
22	05/25/2014 - 05/31/2014	1.00	1.01
23	06/01/2014 - 06/07/2014	1.01	1.02
24	06/08/2014 - 06/14/2014	1.01	1.02
25	06/15/2014 - 06/21/2014	1.02	1.03
26	06/22/2014 - 06/28/2014	1.02	1.03
27	06/29/2014 - 07/05/2014	1.03	1.04
28	07/06/2014 - 07/12/2014	1.03	1.04
29	07/13/2014 - 07/19/2014	1.04	1.05
30	07/20/2014 - 07/26/2014	1.03	1.04
31	07/27/2014 - 08/02/2014	1.02	1.03
32	08/03/2014 - 08/09/2014	1.02	1.03
33	08/10/2014 - 08/16/2014	1.01	1.02
34	08/17/2014 - 08/23/2014	1.00	1.01
35	08/24/2014 - 08/30/2014	1.01	1.02
36	08/31/2014 - 09/06/2014	1.01	1.02
37	09/07/2014 - 09/13/2014	1.01	1.02
38	09/14/2014 - 09/20/2014	1.01	1.02
39	09/21/2014 - 09/27/2014	1.01	1.02
40	09/28/2014 - 10/04/2014	1.00	1.01
41	10/05/2014 - 10/11/2014	1.00	1.01
42	10/12/2014 - 10/18/2014	0.99	1.00
43	10/19/2014 - 10/25/2014	0.99	1.00
44	10/26/2014 - 11/01/2014	1.00	1.01
45	11/02/2014 - 11/08/2014	1.00	1.01
46	11/09/2014 - 11/15/2014	1.00	1.01
47	11/16/2014 - 11/22/2014	1.00	1.01
48	11/23/2014 - 11/29/2014	1.00	1.01
49	11/30/2014 - 12/06/2014	0.99	1.00
50	12/07/2014 - 12/13/2014	0.99	1.00
51	12/14/2014 - 12/20/2014	0.98	0.99
52	12/21/2014 - 12/27/2014	1.01	1.02
53	12/28/2014 - 12/31/2014	1.03	1.04

\* PEAK SEASON

09-MAR-2015 16:07:55

830UPD

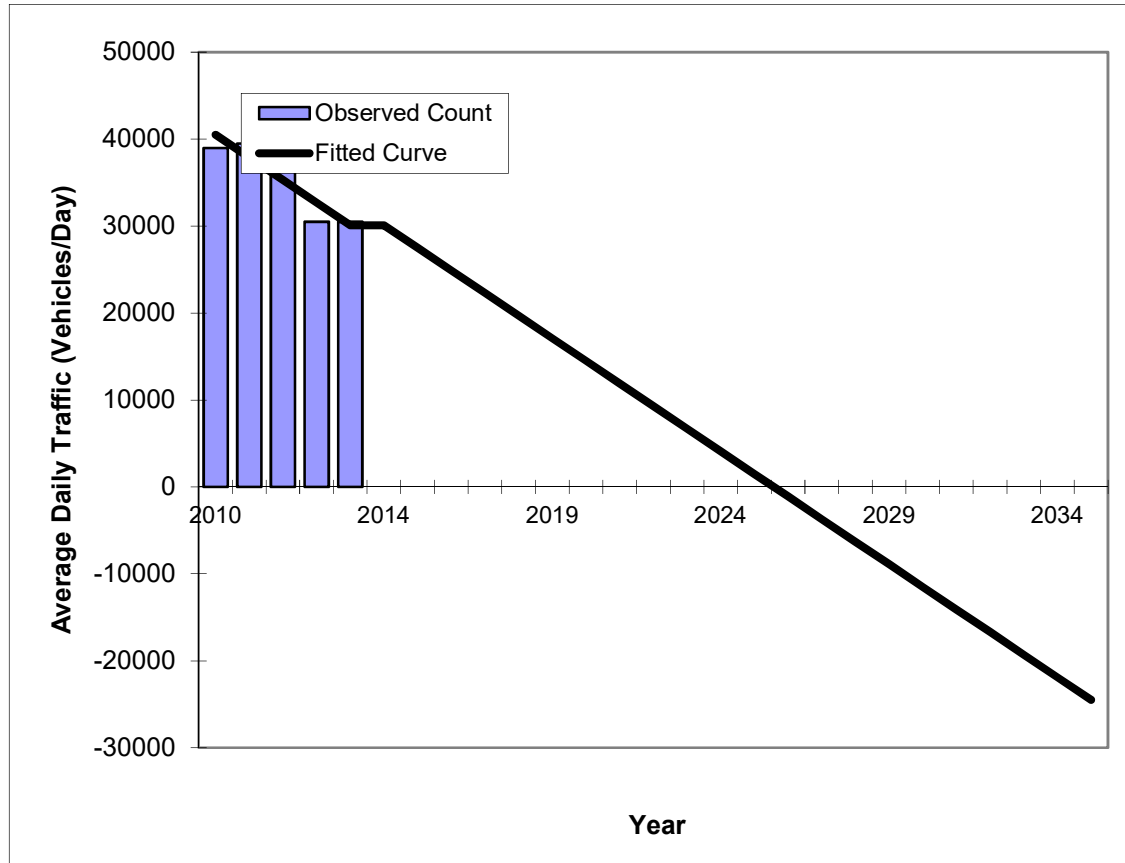
6\_8701\_PKSEASON.TXT

## Traffic Trends - V2.0

**SR 907/Alton Road -- 200' S OF VENETIAN CSWY**

PIN#	0
Location	1

County:	Miami-Dade (87)
Station #:	2542
Highway:	SR 907/Alton Road



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2010	39000	40500
2011	39500	37900
2012	37000	35300
2013	30500	32700
2014	30500	30100
2016 Opening Year Trend		
2016	N/A	24900
2017 Mid-Year Trend		
2017	N/A	22300
2018 Design Year Trend		
2018	N/A	19700
TRANPLAN Forecasts/Trends		

** Annual Trend Increase:	-2,600
Trend R-squared:	84.18%
Trend Annual Historic Growth Rate:	-6.42%
Trend Growth Rate (2014 to Design Year):	-8.64%
Printed:	17-Mar-16
Straight Line Growth Option	

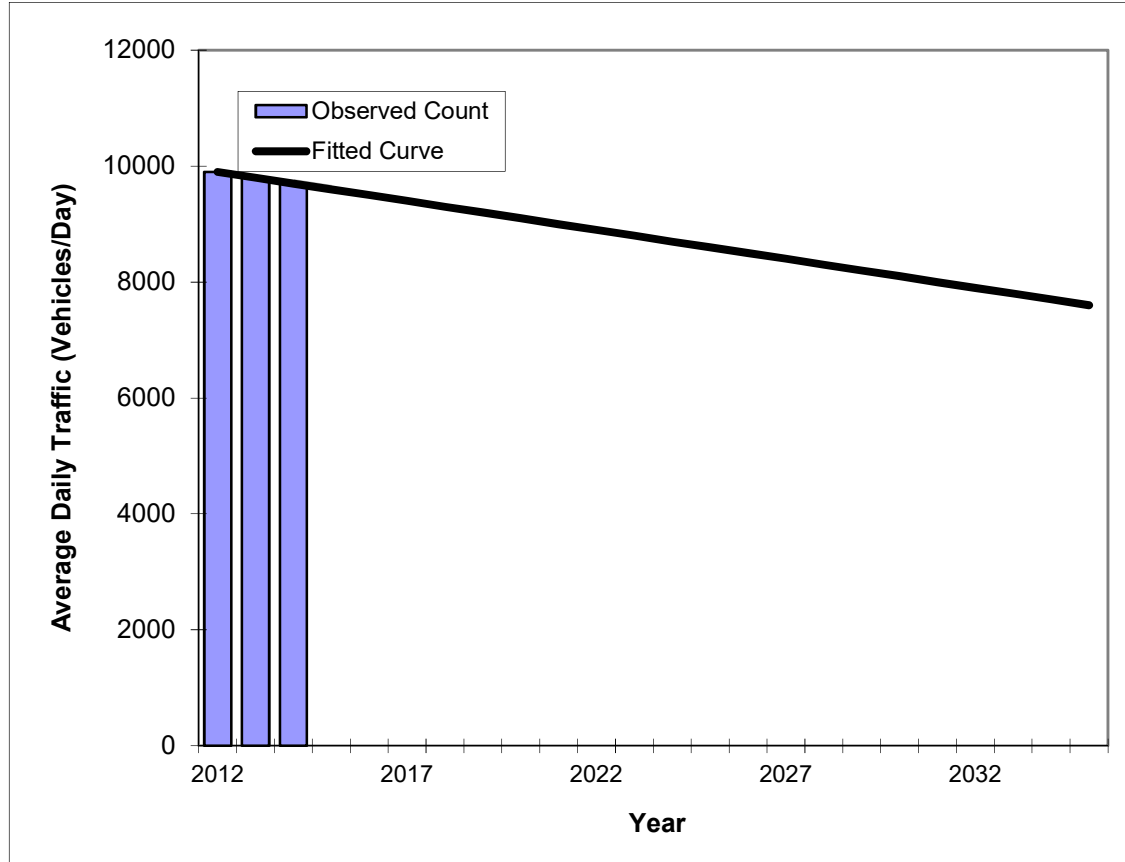
\*Axle-Adjusted

## Traffic Trends - V2.0

### 16 ST -- 200' E OF MERIDIAN AVE

PIN#	0
Location	1

County:	Miami-Dade (87)
Station #:	8567
Highway:	16 ST



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2012	9900	9900
2013	9800	9800
2014	9700	9700
2016 Opening Year Trend		
2016	N/A	9500
2017 Mid-Year Trend		
2017	N/A	9400
2018 Design Year Trend		
2018	N/A	9300
TRANPLAN Forecasts/Trends		

** Annual Trend Increase:	-100
Trend R-squared:	100.00%
Trend Annual Historic Growth Rate:	-1.01%
Trend Growth Rate (2014 to Design Year):	-1.03%
Printed:	17-Mar-16
Straight Line Growth Option	

\*Axle-Adjusted



# **APPENDIX E**

## **Committed Developments**

## FUTURE TURNING MOVEMENT VOLUME ANALYSIS

### Alton Road and Dade Boulevard PM Peak Hour

Description	Alton Road Northbound			Alton Road Southbound			Dade Boulevard Eastbound			Dade Boulevard Westbound		
	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right
Existing Traffic (7/10/2012)	74	1,141	224	72	900	43	97	101	59	269	110	96
Season Adjustment Factor	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
2015 Peak Season Traffic	82	1,258	247	79	992	47	107	111	65	297	121	106
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
1901 Trips		87					58			84	56	58
17 Street Hotel Trips		9	1		9				12	2		
Sunset Palau		2										
1750 Alton		6	1		10				5	2		
Fresh Market + 1920 (*)		15			9							
Bank United, Sunset Harbour (**)	7	7		7	13			7			7	
2017 Background Traffic	90	1,409	254	88	1,053	48	167	121	83	391	187	166
1800 Alton	22							7	26		7	
2017 Total Traffic	112	1,409	254	88	1,053	48	167	128	109	391	194	166

\* From Committed Development Column from Sunset Palau TIA

\*\* From Committed Development Column from 17 Street Hotel Trips (Dec 7, 2012 Memo)

## FUTURE TURNING MOVEMENT VOLUME ANALYSIS

### Alton Road and 17th Street PM Peak Hour

Description	Alton Road Northbound			Alton Road Southbound			17th Street Eastbound			17th Street Westbound		
	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right
Existing Traffic (7/10/2012)	59	786	173	209	810	171	372	142	76	272	144	301
Season Adjustment Factor	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
2015 Peak Season Traffic	65	867	191	230	893	189	410	157	84	300	159	332
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
1901 Trips		87			84							
17 Street Hotel Trips	6	10	4			23					4	
17 Street Hotel Valet Trips	33											
Sunset Palau		2										
1750 Alton	12	7	2								3	
Fresh Market + 1920 (*)		15			9							
Bank United, Sunset Harbour (**)												
2017 Background Traffic	117	1,005	201	235	1,004	215	418	160	85	306	169	338
1800 Alton		19		4	22							3
Re-Routed Traffic (1)					-2				2			
2017 Total Traffic	117	1,024	201	239	1,024	215	418	160	87	306	169	341

(1) Based on a traffic count conducted by Traf Tech Engineering on 8/20/2015

\* From Committed Development Column from Sunset Palau TIA

\*\* From Committed Development Column from 17 Street Hotel Trips (Dec 7, 2012 Memo)

## FUTURE TURNING MOVEMENT VOLUME ANALYSIS

### Alton Road and 20th Street PM Peak Hour

Description	Alton Road Northbound			Alton Road Southbound			20th Street Eastbound			20th Street Westbound		
	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right
Existing Traffic (3/30/2011)	107	1,267	26	27	948	206	184	8	5	5	1	18
Season Adjustment Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
2015 Peak Season Traffic	111	1,318	27	28	986	214	191	8	5	5	1	19
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
1901 Trips		85										
17 Street Hotel Trips		9			9							
Sunset Palau	2					4						
1750 Alton		6			10							
Fresh Market + 1920 (*)	15					76	66					
Bank United, Sunset Harbour (**)	16					52	45					
2017 Background Traffic	147	1,445	28	29	1,025	351	306	8	5	5	1	19
1800 Alton					23		27					
2017 Total Traffic	147	1,445	28	29	1,048	351	333	8	5	5	1	19

\* From Committed Development Column from Sunset Palau TIA

\*\* From Committed Development Column from 17 Street Hotel Trips (Dec 7, 2012 Memo)

# FUTURE TURNING MOVEMENT VOLUME ANALYSIS

## Dade Boulevard and Michigan Avenue PM Peak Hour

Description	Michigan Avenue Southbound		Dade Boulevard Northeastbound			Dade Boulevard Southwestbound		
	Left	Right	Left	Through	Right	Left	Through	Right
Existing Traffic (1/27/2012)	722	108		392			678	776
Season Adjustment Factor	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
2015 Peak Season Traffic	766	115	0	416	0	0	720	823
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
1901 Trips	56	140					58	
17 Street Hotel Trips				1			2	
Sunset Palau								
1750 Alton				1			2	
Fresh Market + 1920 (*)								
Bank United, Sunset Harbour (**)				14			7	
2017 Background Traffic	838	257	0	440	0	0	803	840
1800 Alton				7			7	
2017 Total Traffic	838	257	0	447	0	0	810	840

\* From Committed Development Column from Sunset Palau TIA

\*\* From Committed Development Column from 17 Street Hotel Trips (Dec 7, 2012 Memo)

## FUTURE TURNING MOVEMENT VOLUME ANALYSIS

### Dade Boulevard and West Avenue PM Peak Hour

Description	West Avenue Southbound		Dade Boulevard Northeastbound			Dade Boulevard Southwestbound		
	Left	Right	Left	Through	Right	Left	Through	Right
Existing Traffic (7/10/2012)	90	50	25	237			181	91
Season Adjustment Factor	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
2015 Peak Season Traffic	95	53	26	249	0	0	190	96
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
1901 Trips				58			56	
17 Street Hotel Trips				12				
Sunset Palau								
1750 Alton				5				
Fresh Market + 1920 (*)								
Bank United, Sunset Harbour (**)	7		21				14	
2017 Background Traffic	103	54	48	329	0	0	264	98
1800 Alton	33	14	13					29
2017 Total Traffic	136	68	61	329	0	0	264	127

\* From Committed Development Column from Sunset Palau TIA

\*\* From Committed Development Column from 17 Street Hotel Trips (Dec 7, 2012 Memo)

## FUTURE TURNING MOVEMENT VOLUME ANALYSIS

### 20th Street and West Avenue PM Peak Hour

Description	West Avenue Northbound		20th Street Eastbound			20th Street Westbound		
	Left	Right	Left	Through	Right	Left	Through	Right
Existing Traffic (10/11/2011)	7	33		122	23	65	133	
Season Adjustment Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
2015 Peak Season Traffic	7	34	0	127	24	68	138	0
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
1901 Trips				15			14	
17 Street Hotel Trips								
Sunset Palau		2		7			-1	
1750 Alton								
Fresh Market + 1920 (*)		21		58		30	69	
Bank United, Sunset Harbour (**)				45			52	
2017 Background Traffic	7	58	0	255	24	99	275	0
1800 Alton		27						
2017 Total Traffic	7	85	0	255	24	99	275	0

\* From Committed Development Column from Sunset Palau TIA

\*\* From Committed Development Column from 17 Street Hotel Trips (Dec 7, 2012 Memo)

## FUTURE TURNING MOVEMENT VOLUME ANALYSIS

### 20th Street and Sunset Drive PM Peak Hour

Description	Sunset Drive Northbound			Sunset Drive Southbound			20th Street Eastbound			20th Street Westbound		
	Left	Through	Right	Left	Through	Right	Left	Through	Right	Left	Through	Right
Existing Traffic (10/11/2011)	0	1	2	19	32	24	32	92	56	16	176	70
Season Adjustment Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
2015 Peak Season Traffic	0	1	2	20	33	25	33	96	58	17	183	73
Annual Growth Rate	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
1901 Trips								15			14	
17 Street Hotel Trips												
Sunset Palau						6					6	
1750 Alton												
Fresh Market + 1920 (*)					2	7	10	66	9		91	
Bank United, Sunset Harbour (**)								45			52	
2017 Background Traffic	0	1	2	20	36	38	44	224	68	17	350	74
1800 Alton								27				
2017 Total Traffic	0	1	2	20	36	38	44	251	68	17	350	74

\* From Committed Development Column from Sunset Palau TIA

\*\* From Committed Development Column from 17 Street Hotel Trips (Dec 7, 2012 Memo)



