

ATTACHMENT B
Traffic Studies



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February 16, 2015

VIA E-MAIL

Mr. Eric D. Fordin, Vice President
The Related Group
315 S. Biscayne Boulevard, 4th Floor
Miami, FL 33131

**RE: 4000 Ocean Traffic Analysis
McMahon Project No. L15073.01**

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Dear Mr. Fordin:

McMahon Associates, Inc. (McMahon) has completed a site access traffic analysis associated with additional development located generally on the northwest corner of Ocean Drive and Hallandale Beach Boulevard, in the City of Hollywood. The proposed development, Bay Tower, with an anticipated buildout year of 2017, will include a 265-room hotel and 77 condominium dwelling units. The proposed development will share access with the existing Crowne Plaza hotel, which includes 310 hotel rooms. For purposes of this study, the "site" refers to both the Crowne Plaza hotel and the proposed Bay Tower development. The site plan is attached in **Appendix A**.

Existing Conditions

Roadway Characteristics

Ocean Drive is a six-lane, divided roadway that runs north-south and is located east of the Intracoastal Waterway. The posted speed limit along Ocean Drive is 35 miles per hour. Hallandale Beach Boulevard is a six-lane, divided roadway that runs east-west, with a posted speed limit of 35 miles per hour. The current land use surrounding the Hallandale Beach Boulevard/Ocean Drive intersection is predominantly residential. The draw bridge across the Intracoastal Waterway on Hallandale Beach Boulevard, just west of Ocean Drive, opens on the ¼ and ¾ of the hour.

Existing Access

The subject site currently has one (1) existing right-in/right-out driveway connection to Ocean Drive. The existing access is unsignalized and is located approximately 280 feet north of Hallandale Beach Boulevard.

Field Observations

Field observations were performed at the existing site driveway connection to Ocean Drive. The observations were performed during the AM and PM peak periods from 7:00 to 9:00 AM and from 4:00 to 6:00 PM, respectively.

During the morning peak period, southbound vehicular queues along Ocean Drive were observed to extend almost to the existing site driveway when the traffic signal for southbound traffic at the Hallandale Beach Boulevard/Ocean Drive intersection was red. When the Intracoastal Waterway Bridge was up, the southbound vehicular queues along Ocean Drive were observed to extend beyond the existing site driveway, completely blocking access to the site.

During the afternoon peak period, southbound vehicular queues along Ocean Drive were observed to extend north of the existing site driveway approximately 70 percent of the time when the traffic signal for southbound traffic at the Hallandale Beach Boulevard/Ocean Drive intersection was red. Access to the site was completely blocked during this period. In several instances, vehicles were observed using the pedestrian sidewalk to access the site. When the Intracoastal Waterway Bridge was up, the southbound vehicular queues along Ocean Drive were observed to extend beyond the existing site driveway in all instances, completely blocking access to the site.

Trip Generation Analysis

Using trip generation information obtained from the Institute of Transportation Engineers (ITE), *Trip Generation Manual*, 9th Edition, trip generation estimates were developed for the existing and proposed land uses. The trip generation analysis, summarized in **Table 1**, indicates that the existing plus proposed development will generate 5,641 daily trips, 428 AM peak hour trips and 452 PM peak hour trips. Excerpts from ITE are attached in **Appendix B**.

Future Site Access and Traffic Assignments

Additional access to the site is proposed via one (1) right-in only driveway connection to Ocean Drive, which is proposed to be located approximately 200 feet north of the existing site driveway connection, and one (1) full access driveway connection to Seacrest Parkway.

The Crowne Plaza hotel building is located just north of the existing access along Ocean Drive. Parking for the Crowne Plaza hotel is located both north and south of the hotel building. Given the locations of the existing and proposed access locations, as well as the site layout, the Crowne Plaza hotel traffic is expected to use the existing and proposed driveway connections to access the site. Given the vehicular queues observed along Ocean Drive during the peak periods, the main ingress to the Crown Plaza hotel during the peak periods, with approximately 60 percent of the traffic, is expected to occur at the proposed right-in only driveway connection. Approximately 10 percent of the traffic is anticipated to use the Seacrest Parkway driveway connection, and approximately 30 percent of the traffic is expected to use the existing driveway along Ocean Drive. The additional access connections along Ocean Drive and along Seacrest Parkway will create opportunities to alleviate congestion along Ocean Drive near Hallandale Beach Boulevard by removing hotel traffic from southbound traffic upstream of the traffic congestion location during the peak periods.

TABLE 1
TRIP GENERATION ANALYSIS
4000 OCEAN TRAFFIC ANALYSIS

DAILY

LAND USE	ITE CODE	INTENSITY	TRIP GENERATION RATE ⁽¹⁾	IN	OUT	TOTAL TRIPS		
						IN	OUT	TOTAL
EXISTING USES								
Hotel (Crowne Plaza)	310	310 OCC. RMS	T= 8.92 (X)	50%	50%	1,383	1,382	2,765
SUBTOTAL						1,383	1,382	2,765
PROPOSED USES								
Condo/Townhouse	230	77 DU	Ln(T) = 0.87 Ln(X)+ 2.46	50%	50%	256	256	512
Hotel	310	265 OCC. RMS	T= 8.92 (X)	50%	50%	1,182	1,182	2,364
SUBTOTAL						1,438	1,438	2,876
TOTAL						2,821	2,820	5,641

AM PEAK HOUR

LAND USE	ITE CODE	INTENSITY	TRIP GENERATION RATE ⁽¹⁾	IN	OUT	TOTAL TRIPS		
						IN	OUT	TOTAL
EXISTING USES								
Hotel (Crowne Plaza)	310	310 OCC. RMS	T= 0.67 (X)	58%	42%	120	88	208
SUBTOTAL						120	88	208
PROPOSED USES								
Condo/Townhouse	230	77 DU	Ln(T) = 0.8 Ln(X)+ 0.26	17%	83%	7	35	42
Hotel	310	265 OCC. RMS	T= 0.67 (X)	58%	42%	103	75	178
SUBTOTAL						110	110	220
TOTAL						230	198	428

PM PEAK HOUR

LAND USE	ITE CODE	INTENSITY	TRIP GENERATION RATE ⁽¹⁾	IN	OUT	TOTAL TRIPS		
						IN	OUT	TOTAL
EXISTING USES								
Hotel (Crowne Plaza)	310	310 OCC. RMS	T= 0.7 (X)	49%	51%	106	111	217
SUBTOTAL						106	111	217
PROPOSED USES								
Condo/Townhouse	230	77 DU	Ln(T) = 0.82 Ln(X)+ 0.32	67%	33%	33	16	49
Hotel	310	265 OCC. RMS	T= 0.7 (X)	49%	51%	91	95	186
SUBTOTAL						124	111	235
TOTAL						230	222	452

(1) Source: ITE Trip Generation Manual, 9th Edition.



Given the proximity to Hallandale Beach Boulevard, approximately 70 percent of the traffic is expected to be destined south of the site and will, therefore, utilize the existing driveway connection to exit the site. Traffic destined northbound on Ocean Drive is expected to use the access to Seacrest Parkway to exit the site. This would allow that traffic to perform a southbound-to-northbound U-turn along Ocean Drive prior to the Hallandale Beach Boulevard/Ocean Drive intersection, thereby alleviating congestion along Ocean Drive and at the Ocean Drive/Hallandale Beach Boulevard intersection.

The proposed development, Bay Tower, will be located south of the existing access to Ocean Drive and south of the existing Crowne Plaza hotel. The proposed Bay Tower development traffic is anticipated to use the existing driveway connection to access the site. Therefore, 100 percent of inbound and outbound traffic from Bay Tower will use the existing driveway connection.

The driveway volumes for the site were based on the trip generation and project distribution analyses. The proposed project distribution and traffic assignment for the Crowne Plaza hotel and for Bay Tower are graphically depicted on **Figure 1** and **Figure 2**, respectively. The total driveway volumes, including the Crowne Plaza hotel and Bay Tower traffic, are graphically shown on **Figure 3**.

Conclusion and Recommendations

Based on the field observations and anticipated driveway volumes at the proposed access connections, the additional driveway connections will improve access to the site and alleviate congestion along Ocean Drive and at the Ocean Drive/Hallandale Beach Boulevard intersection. Therefore, McMahon recommends approval of the additional right-in only access to Ocean Drive and the full access driveway connection to Seacrest Parkway.

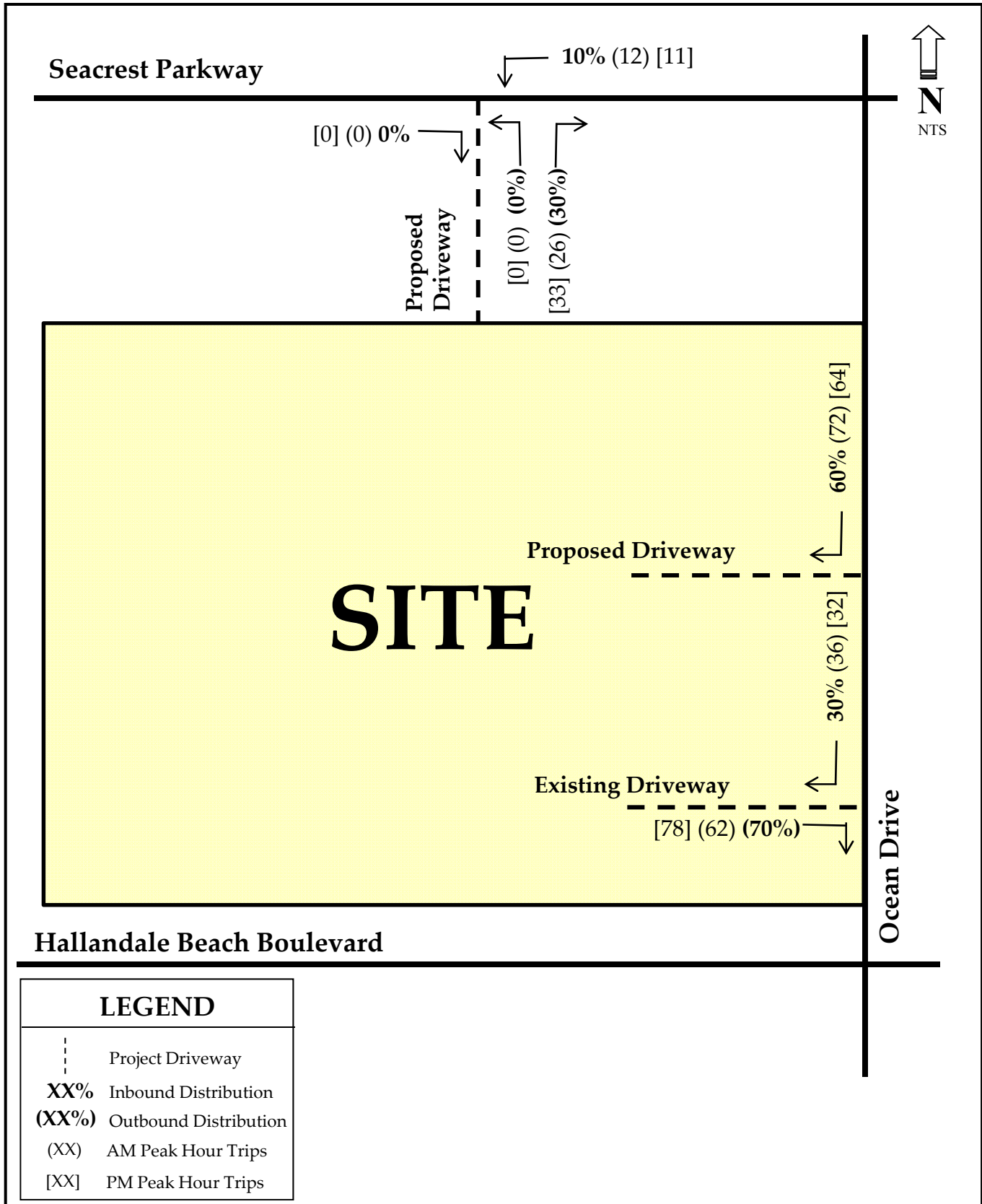


Figure 1
Proposed Driveway Distribution and Traffic Volumes – Crowne Plaza
4000 Ocean Traffic Analysis
Hollywood, Florida

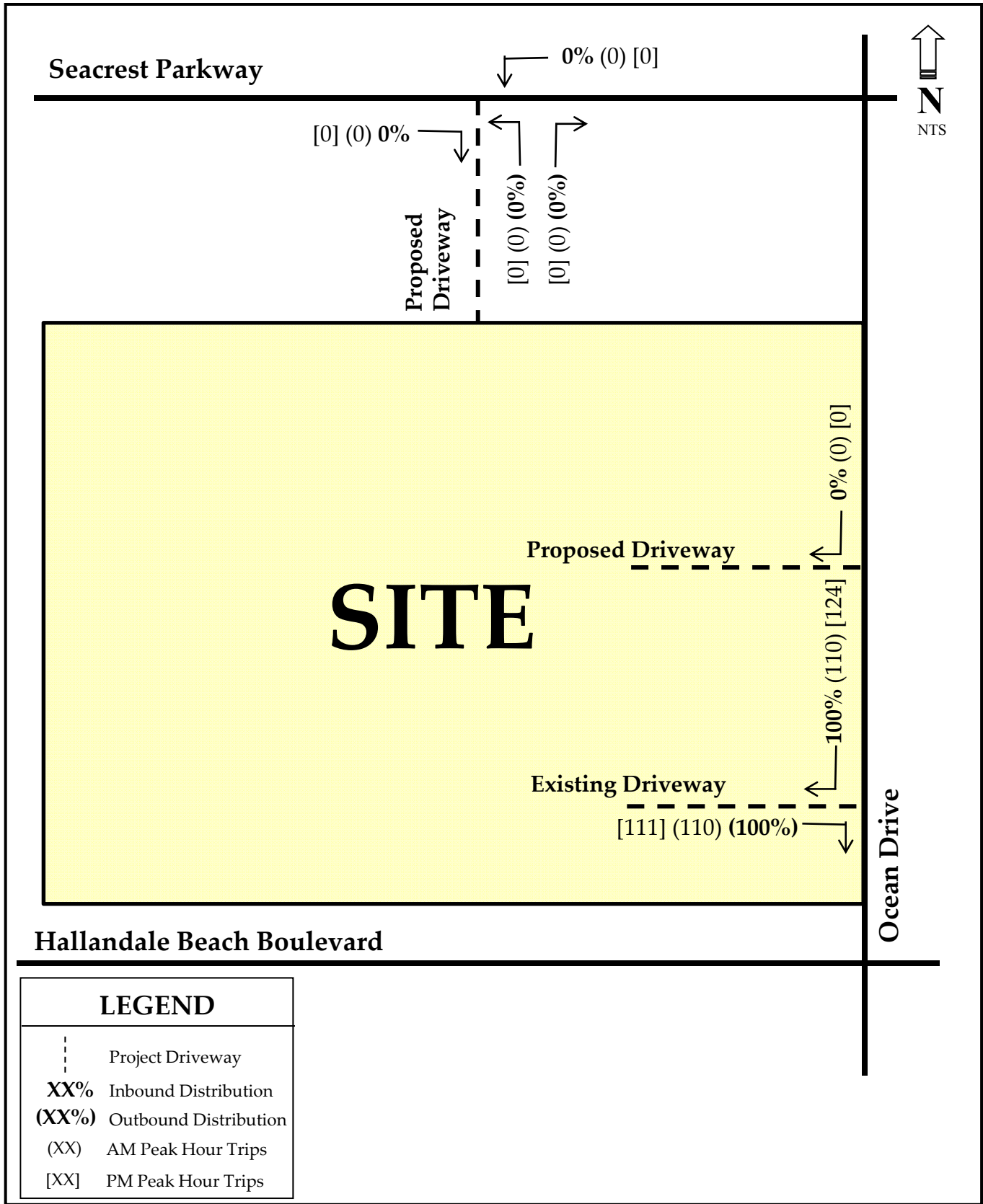


Figure 2
Proposed Driveway Distribution and Traffic Volumes – Bay Tower
4000 Ocean Traffic Analysis
Hollywood, Florida

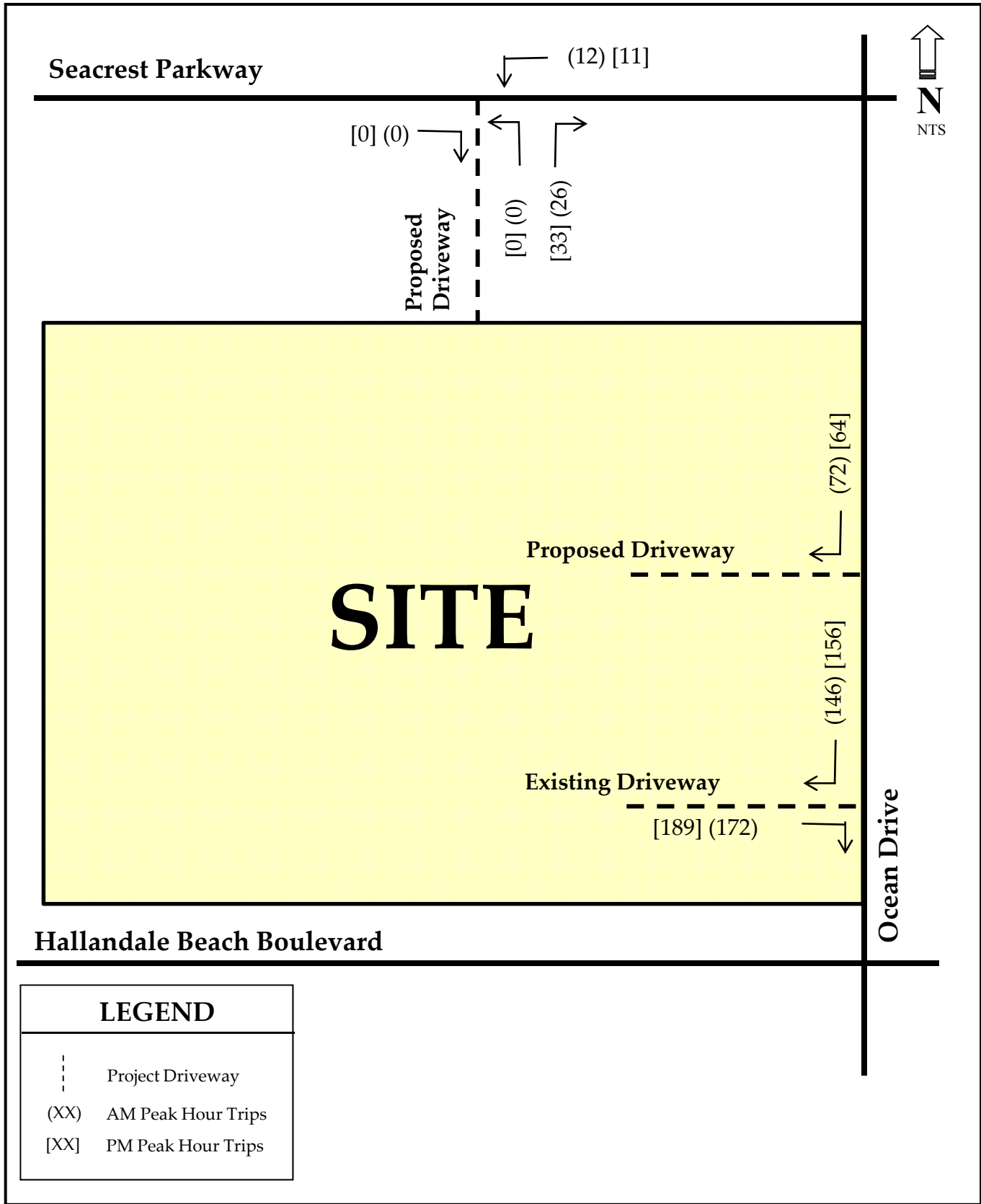


Figure 3
 Total Driveway Traffic Volumes – Crowne Plaza and Bay Tower
 4000 Ocean Traffic Analysis
 Hollywood, Florida

Mr. Eric D. Fordin, Vice President

February 16, 2015

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Should you have any questions or comments regarding these findings, please do not hesitate to call me.

Sincerely,

Natalia Thais Lercari, P.E.
Professional Engineer
License No. 68205
State of Florida, Board of Professional Engineers
Certificate of Authorization No. 4908

NTL/hsv
Enclosure

APPENDIX A

SITE PLAN

APPENDIX B

TRIP GENERATION INFORMATION

Hotel (310)

Average Vehicle Trip Ends vs: Occupied Rooms On a: Weekday

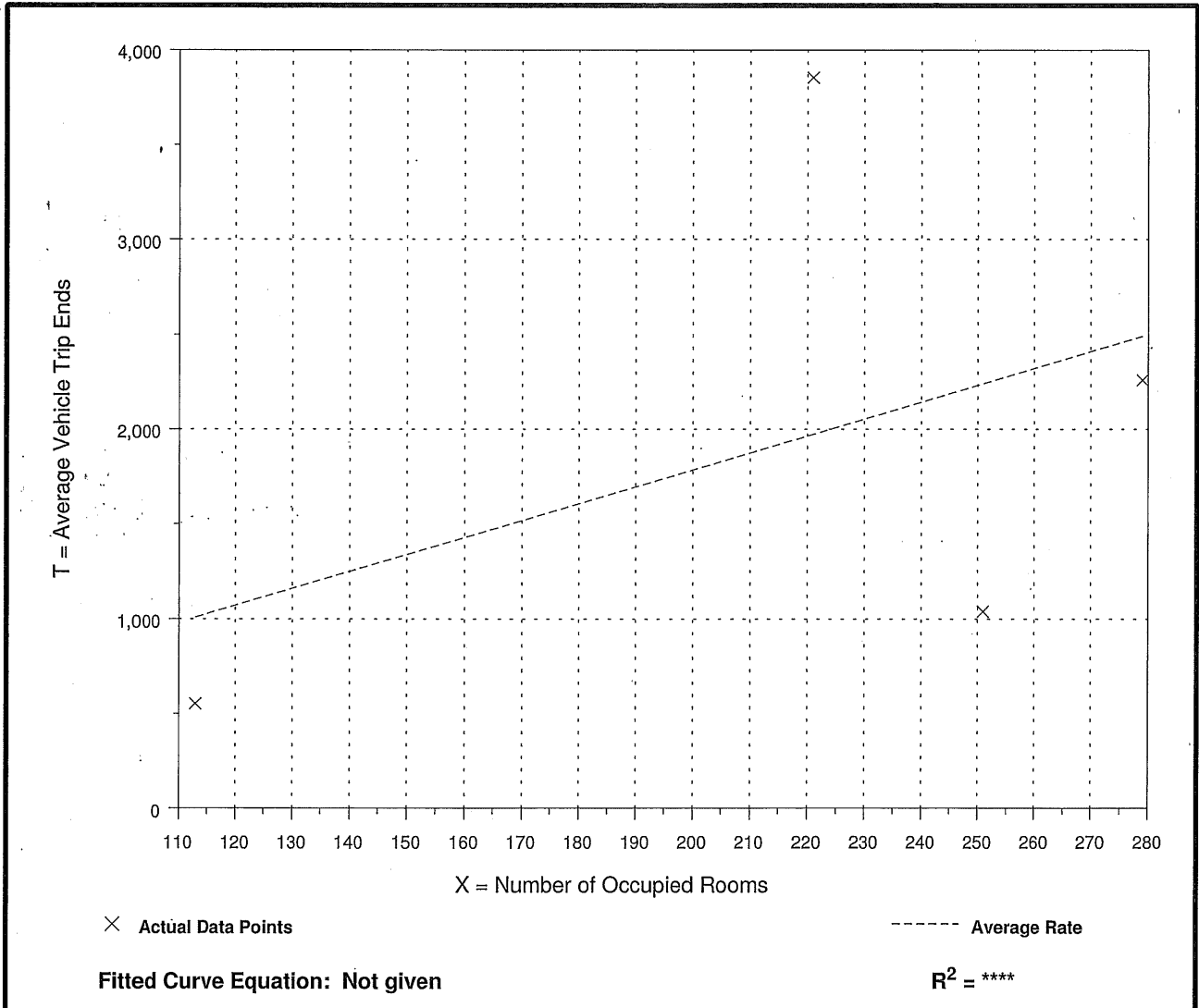
Number of Studies: 4
 Average Number of Occupied Rooms: 216
 Directional Distribution: 50% entering, 50% exiting

Trip Generation per Occupied Room

Average Rate	Range of Rates	Standard Deviation
8.92	4.14 - 17.44	6.04

Data Plot and Equation

Caution - Use Carefully - Small Sample Size



Hotel (310)

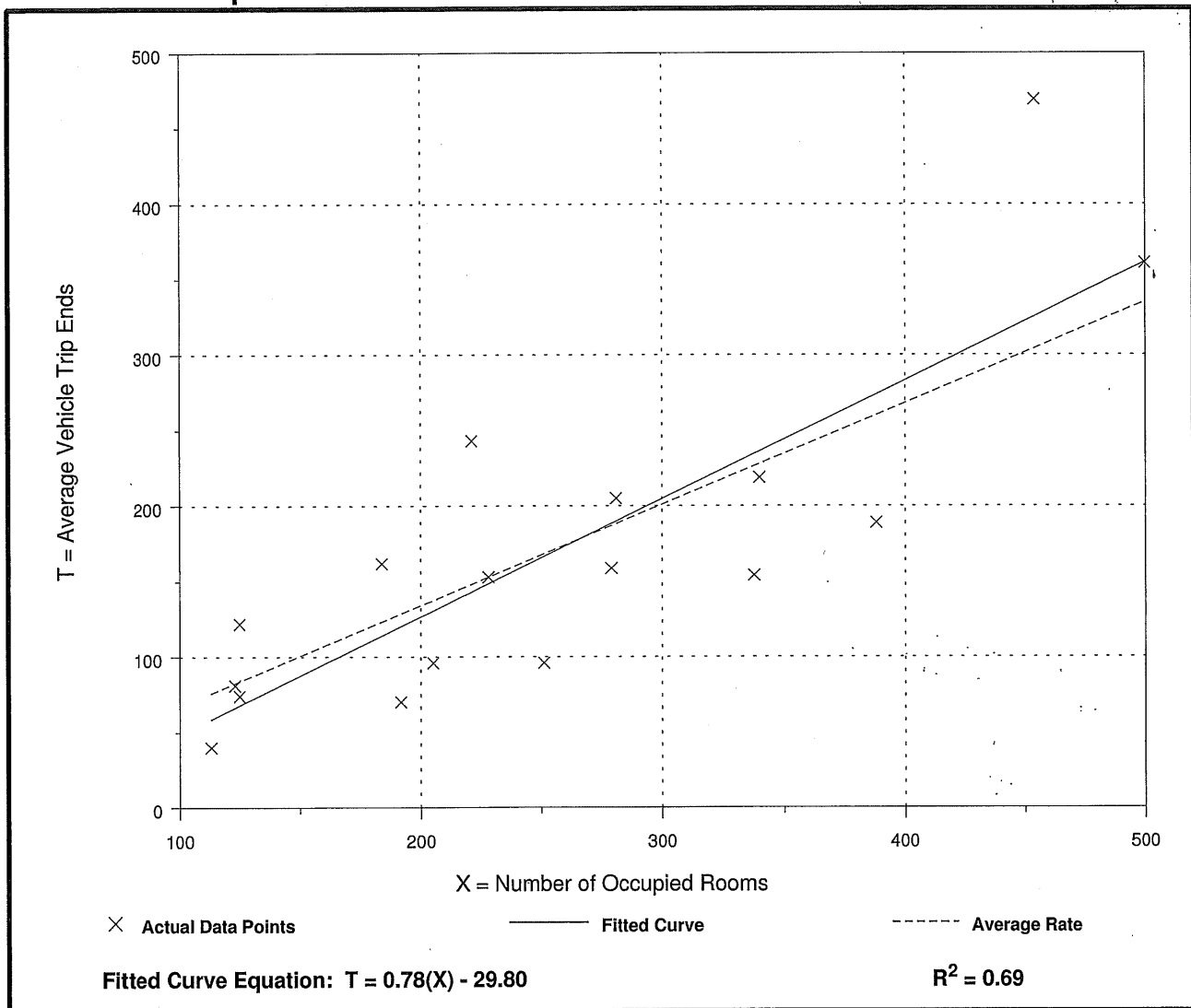
Average Vehicle Trip Ends vs: Occupied Rooms
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.

Number of Studies: 17
 Average Number of Occupied Rooms: 256
 Directional Distribution: 58% entering, 42% exiting

Trip Generation per Occupied Room

Average Rate	Range of Rates	Standard Deviation
0.67	0.35 - 1.10	0.84

Data Plot and Equation



Hotel (310)

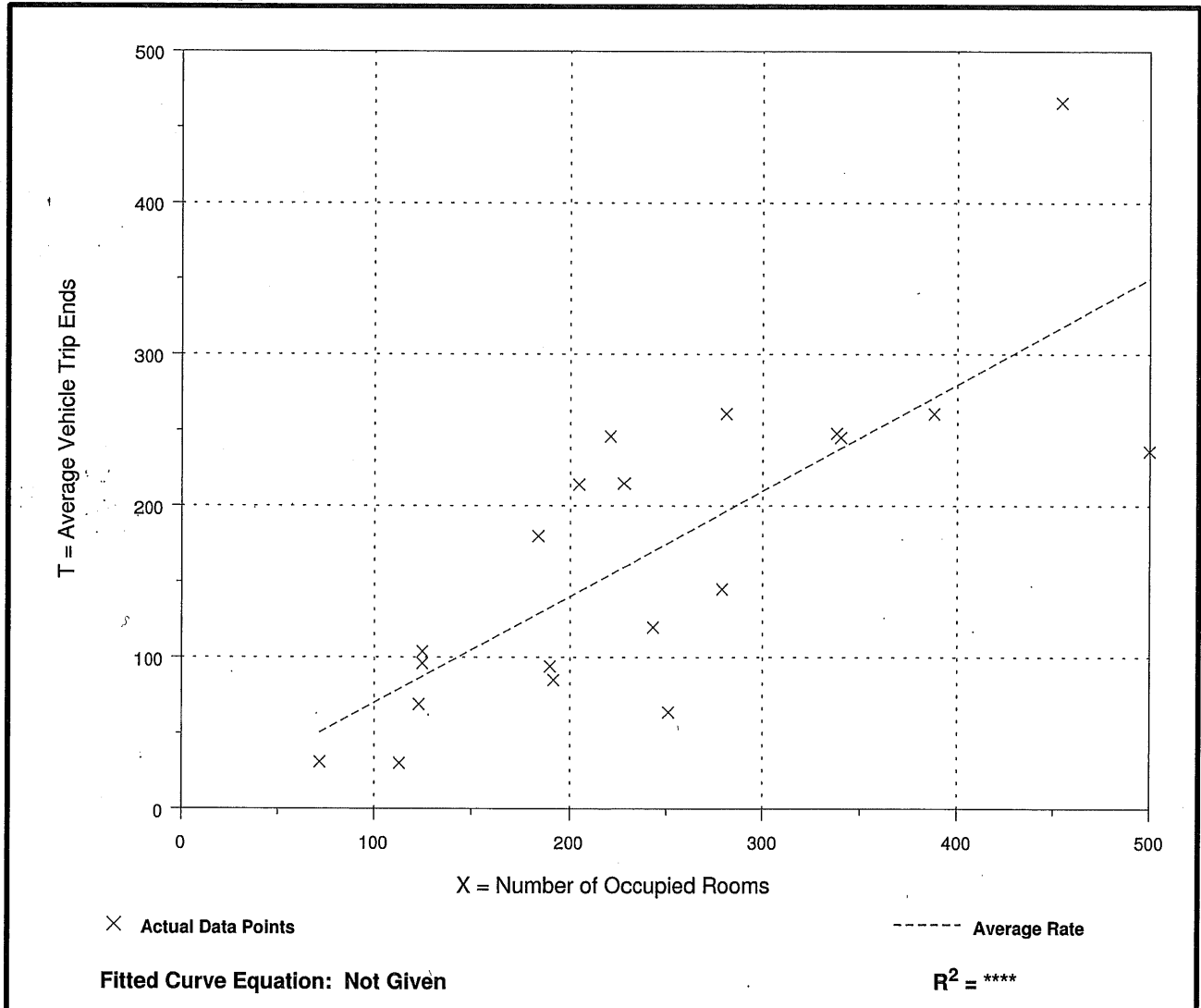
Average Vehicle Trip Ends vs: Occupied Rooms
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Number of Studies: 20
 Average Number of Occupied Rooms: 243
 Directional Distribution: 49% entering, 51% exiting

Trip Generation per Occupied Room

Average Rate	Range of Rates	Standard Deviation
0.70	0.25 - 1.11	0.87

Data Plot and Equation



Residential Condominium/Townhouse (230)

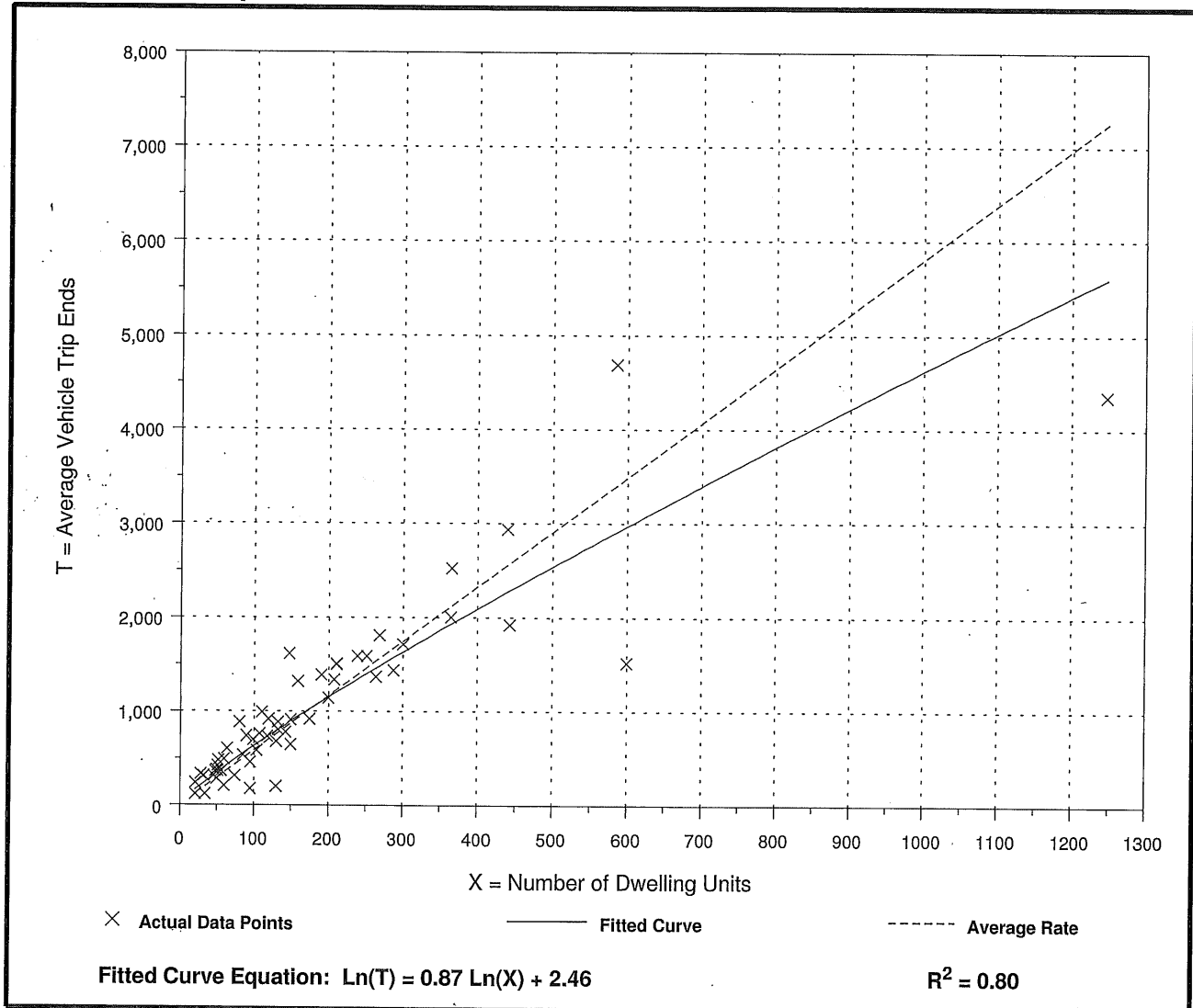
**Average Vehicle Trip Ends vs: Dwelling Units
On a: Weekday**

Number of Studies: 56
Avg. Number of Dwelling Units: 179
Directional Distribution: 50% entering, 50% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
5.81	1.53 - 11.79	3.11

Data Plot and Equation



Residential Condominium/Townhouse (230)

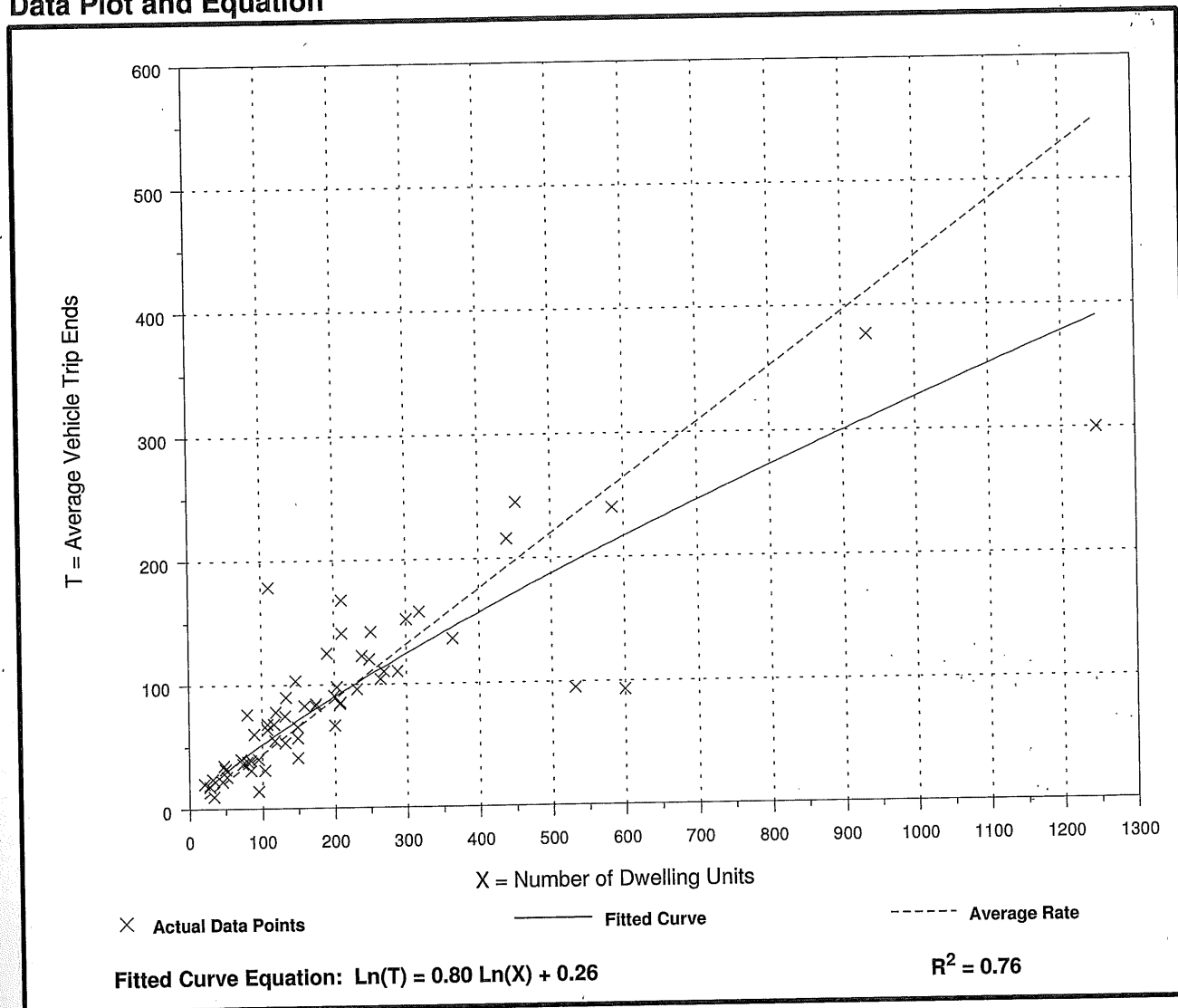
Average Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.

Number of Studies: 59
 Avg. Number of Dwelling Units: 213
 Directional Distribution: 17% entering, 83% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.44	0.15 - 1.61	0.69

Data Plot and Equation



Residential Condominium/Townhouse (230)

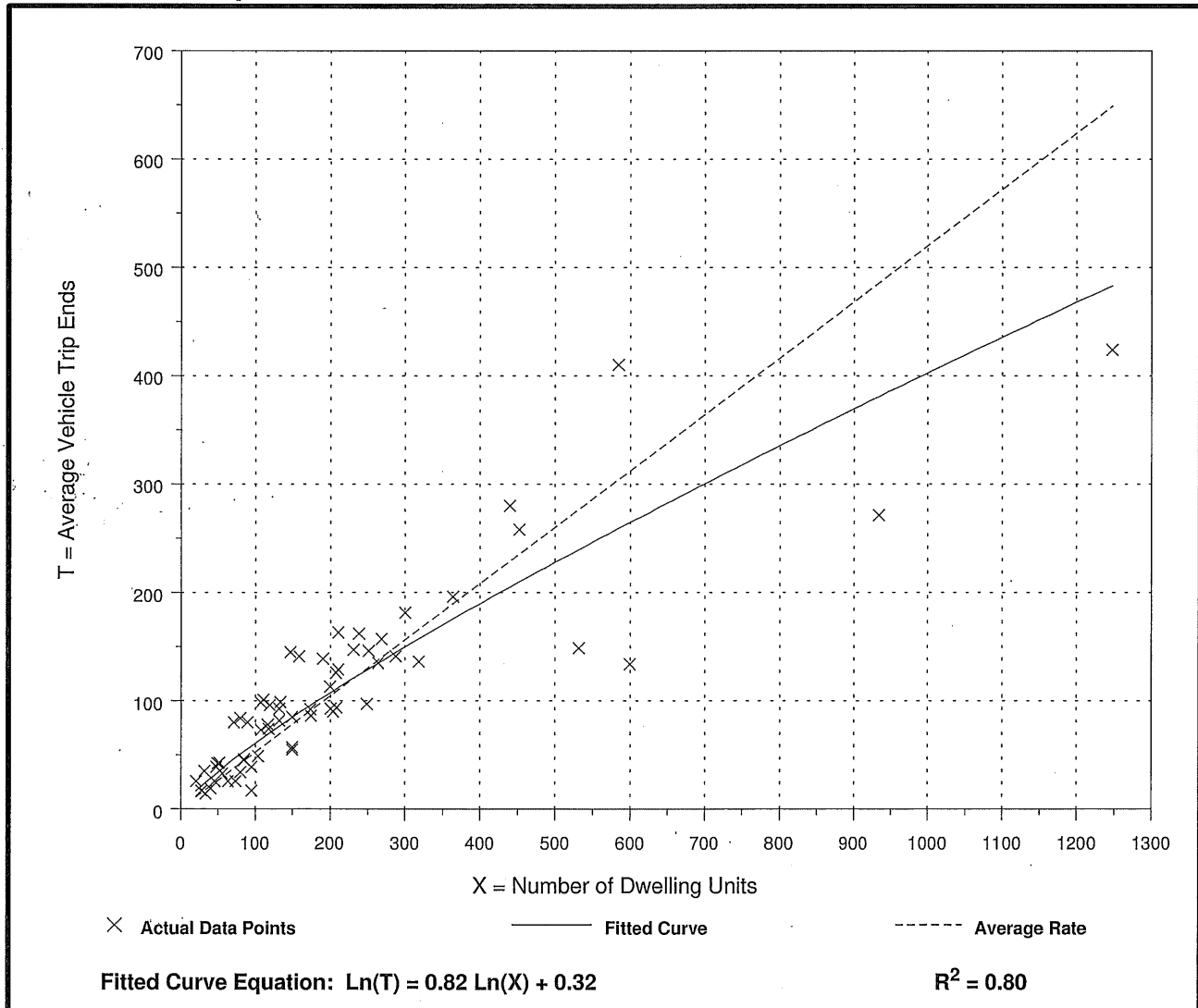
Average Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Number of Studies: 62
 Avg. Number of Dwelling Units: 205
 Directional Distribution: 67% entering, 33% exiting

Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.52	0.18 - 1.24	0.75

Data Plot and Equation





Traffic Impact Analysis
Submittal to the City of Hollywood

Sian Residential Condominium Broward County, Florida

Prepared for:

MCZ Development Corporation
Hollywood, Florida

Prepared by:

Kimley-Horn and Associates, Inc.
Fort Lauderdale, Florida



Kimley-Horn
and Associates, Inc.

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August 2005
042537000

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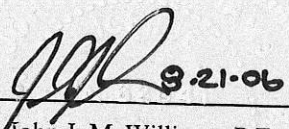

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INTRODUCTION

It is proposed to build 962 high-rise residential condominium/townhouse units and 70 luxury condominium/townhouse units in Hollywood, Florida. The project site is located on east and west sides of S.R. A1A (Ocean Drive) north of the intersection of S.R. A1A and S.R. 858 (Hallandale Beach Boulevard). Two hotels currently exist on the site – one on either side of S.R. A1A. A surface parking lot serves the hotel on the west side of S.R. A1A and a two-story parking garage serves the hotel on the east side of S.R. A1A. A site location map is shown in Figure 1.

S.R. A1A, within the study area, is a six-lane divided roadway. The intersection of S.R. A1A and S.R. 858 is signalized. A signalized pedestrian crossing exists on S.R. A1A approximately 280 feet north of S.R. 858. In addition, this signal controls a southbound directional median opening on S.R. A1A. Access to the site and parking facilities is proposed through four (4) driveways on S.R. A1A: three driveways will serve the site on the east side of S.R. A1A and one driveway will serve the site on the west side of S.R. A1A. The project is planned to be completed for occupancy in the year 2009.

Kimley-Horn and Associates, Inc. performed a traffic impact analysis for the proposed residential development. This report has been prepared to evaluate traffic impacts of the project's driveway connections to the adjacent roadway network. This report summarizes the data collection, analysis of traffic impacts and proposed access, and conclusions from the analysis.



FIGURE 1

SITE
LOCATION
MAP



**Kimley-Horn
and Associates, Inc.**

PROJECT TRAFFIC

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

Existing and Proposed Land Uses

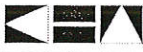
The project site is located on east and west sides of S.R. A1A (Ocean Drive) north of the intersection of S.R. A1A and S.R. 858 (Hallandale Beach Boulevard) in Hollywood, Florida. Currently, two hotels exist on the site. The 4001 hotel (east side of S.R. A1A) is currently being renovated into 221 condominium units. An additional 30 luxury condominium units (cabanas) are also proposed on the east side of S.R. A1A. The 4000 hotel (west side of S.R. A1A) is currently being renovated into 309 condominium units. An additional 432 condominium units (Bay Tower) and 40 luxury condominium units (Villas) are proposed on the west side of S.R. A1A. The proposed site plan is shown in Figure 2.

Project Access

Access to the site and parking facilities is proposed through four (4) driveways on S.R. A1A. The functionalities of the project driveways are as follows:

- A right-in/right-out driveway (south driveway) on the east side of S.R. A1A, which currently provides access to the ground floor of the existing parking garage.
- A right-in driveway (central driveway) is proposed on the east side of S.R. A1A.
- A right-in/right-out driveway (north driveway) is proposed on the east side of S.R. A1A.
- A right-in/right-out driveway on the west side of S.R. A1A, which currently provides access to the surface parking lot.

The project driveways will be stop-controlled. The existing directional median opening for southbound S.R. A1A approximately 300 feet north of S.R. 858 is proposed to be closed. Please refer to the site plan shown in Figure 2 for driveway locations and configurations.



Trip Generation

Trip Generation for the project was calculated using equations and rates contained in the Institute of Transportation Engineers' (ITE) *Trip Generation*, Seventh Edition, 2003, for the following land use categories:

- Land Use 232: High-Rise Residential Condominium/Townhouse
- Land Use 233: Luxury Condominium/Townhouse

The trip generation calculated for the project is presented in Table 1. As Table 1 indicates, the proposed development is expected to generate 416 trips during the A.M. peak hour and 413 trips during the P.M. peak hour.



Table 1. Peak Hour Project Trip Generation

Land Use	ITE Code	Scale	Project Trips		
			Enter	Exit	Total
<i>A.M. Peak Hour (East of S.R. A1A)</i>					
High-Rise Residential Condominium/Townhouse	232	221 D.U.	18	75	93
Luxury Condominium/Townhouse	233	30 O.D.U.	5	18	23
Development Total (East of S.R. A1A)			23	93	116
<i>A.M. Peak Hour (West of S.R. A1A)</i>					
High-Rise Residential Condominium/Townhouse	232	309 D.U.	22	96	118
High-Rise Residential Condominium/Townhouse	232	432 D.U.	29	125	154
Luxury Condominium/Townhouse	233	40 O.D.U.	6	22	28
Development Total (West of S.R. A1A)			57	243	300
<i>P.M. Peak Hour (East of S.R. A1A)</i>					
High-Rise Residential Condominium/Townhouse	232	221 D.U.	56	35	91
Luxury Condominium/Townhouse	233	30 O.D.U.	11	6	17
Development Total (East of S.R. A1A)			67	41	108
<i>P.M. Peak Hour (West of S.R. A1A)</i>					
High-Rise Residential Condominium/Townhouse	232	309 D.U.	75	46	121
High-Rise Residential Condominium/Townhouse	232	432 D.U.	100	62	162
Luxury Condominium/Townhouse	233	40 O.D.U.	14	8	22
Development Total (West of S.R. A1A)			189	116	305

NO.	REVISIONS	DATE	BY

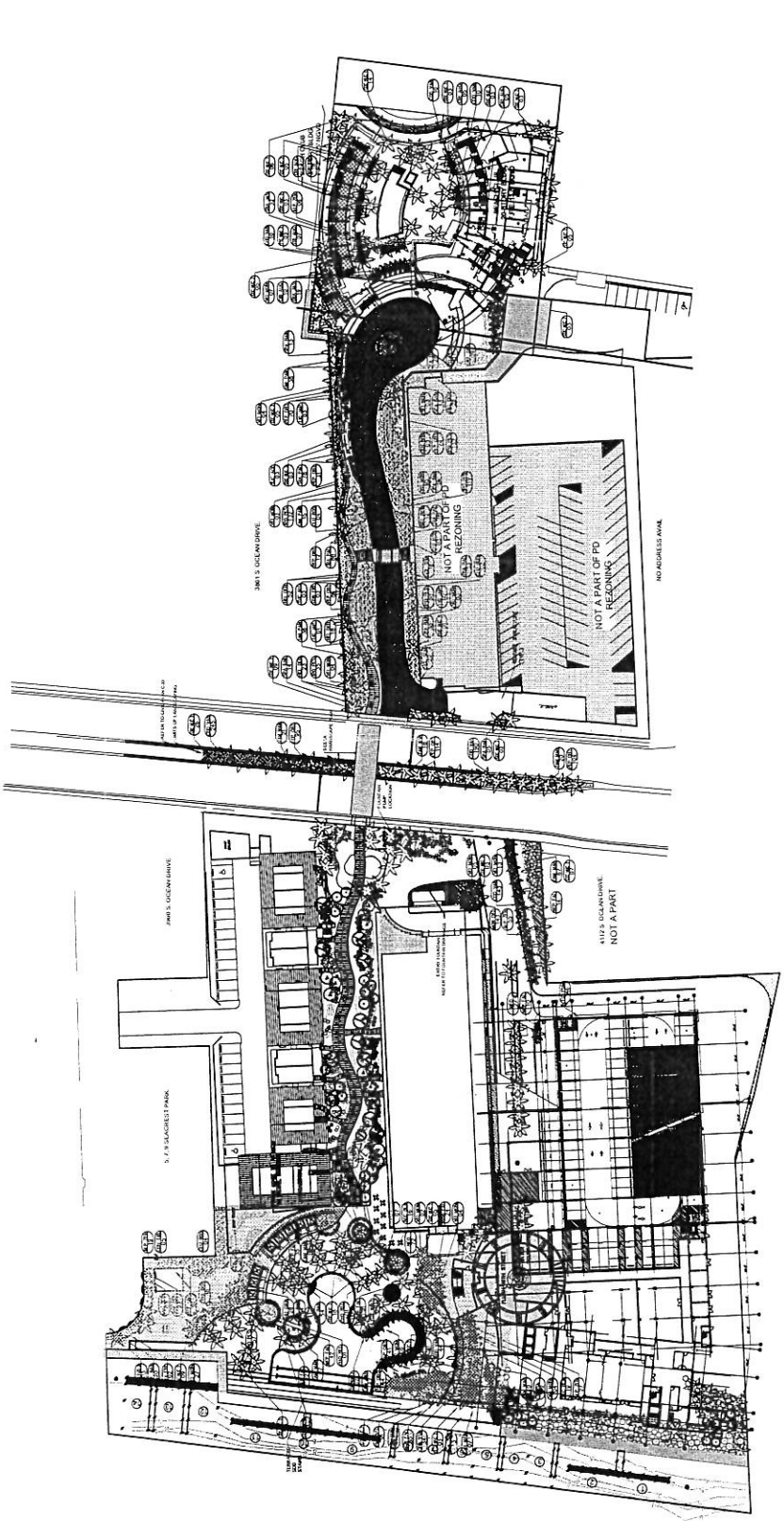
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DESIGN ENGINEER:
AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
SCALE:
FLORIDA REGISTRATION NUMBER:

SIAN
MASTER PLAN

FLORIDA
M&Z DEVELOPMENT CORP.

DATE:
JULY 2006
PROJECT NO.
042537000
SHEET NUMBER





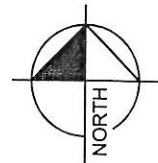
Trip Distribution and Assignment

The distribution of project traffic was forecast for the trips expected to be generated by the project. The trip distribution was based on a select zone analysis for the project utilizing the *Florida Standard Urban Transportation Model Structure (FSUTMS)* travel forecasting model.

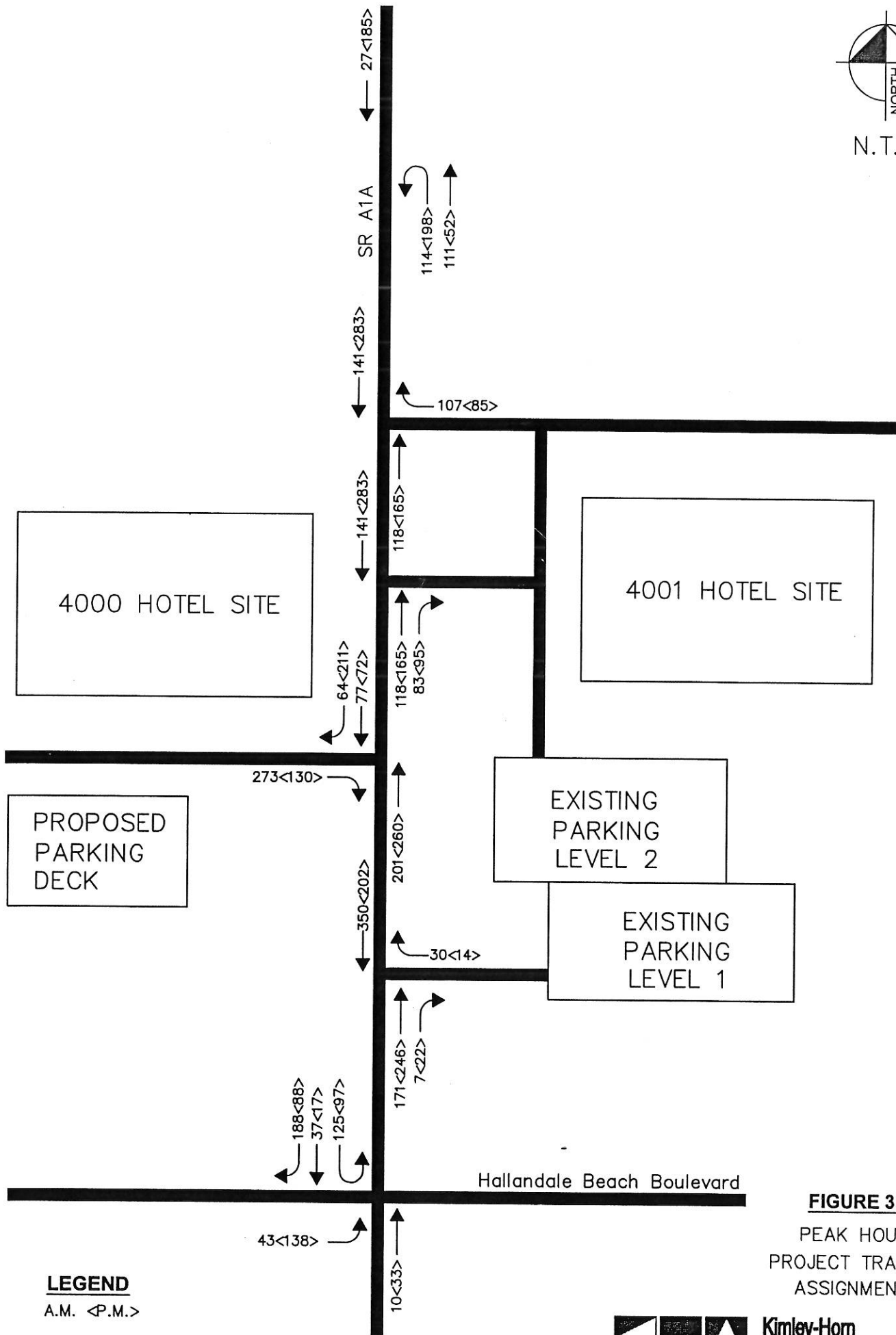
The general trip distribution is as follows:

- 33 percent (33%) on S.R. A1A north
- 56 percent (56%) on S.R. 858 (Hallandale Beach Boulevard) west
- 11 percent (11%) on S.R. A1A south

New project trips for the A.M. and P.M. peak hours were then assigned to the intersections and roadway segments within the study area. It should be noted that valet parking will be provided for all vehicles arriving and departing the site. A portion of the vehicles from the east developments will be valet parked in the lower level of the east parking garage. As a result, it will be necessary for valet drivers to re-enter the S.R. A1A traffic stream to enter the lower level of parking garage on the east side of S.R. A1A. Furthermore, a portion of the vehicles from the east development will be valet parked on the west parking garage. Valet drivers will re-enter the traffic stream on S.R. A1A to park these vehicles. Appendix A presents detailed traffic assignment diagrams. Figure 3 presents the final project traffic assignment.



N.T.S.



LEGEND
A.M. <P.M.>

FIGURE 3
PEAK HOUR
PROJECT TRAFFIC
ASSIGNMENT



**Kimley-Horn
and Associates, Inc.**



EXISTING CONDITIONS

S.R. A1A (Ocean Drive), within the study area, is a six-lane divided roadway. S.R. A1A is oriented north-south. The intersection of S.R. A1A and S.R. 858 is signalized. A signalized pedestrian crossing exists on S.R. A1A approximately 280 feet north of S.R. 858. In addition, this signal controls a southbound directional median opening on of S.R. A1A.

Data Collection

Weekday morning and afternoon peak period turning movement counts were performed at the intersection of S.R. A1A and S.R. 858 and at the median opening on S.R. A1A north of S.R. 858 on Tuesday, August 2, 2005. The data were collected from 7:00 A.M. to 9:00 A.M. and from 4:00 P.M. to 6:00 P.M. in 15-minute intervals in order to determine the A.M. and P.M. peak hours. The A.M. peak hour was found to occur from 8:00 A.M. to 9:00 A.M. and the P.M. peak hour was found to occur from 5:00 P.M. to 6:00 P.M. The peak hour volumes were adjusted to reflect average conditions. This adjustment was performed using the appropriate FDOT Seasonal Factor (1.09). The peak hour turning movement counts are included in Appendix B.

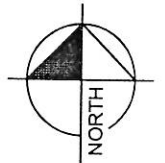


NON-PROJECT TRAFFIC

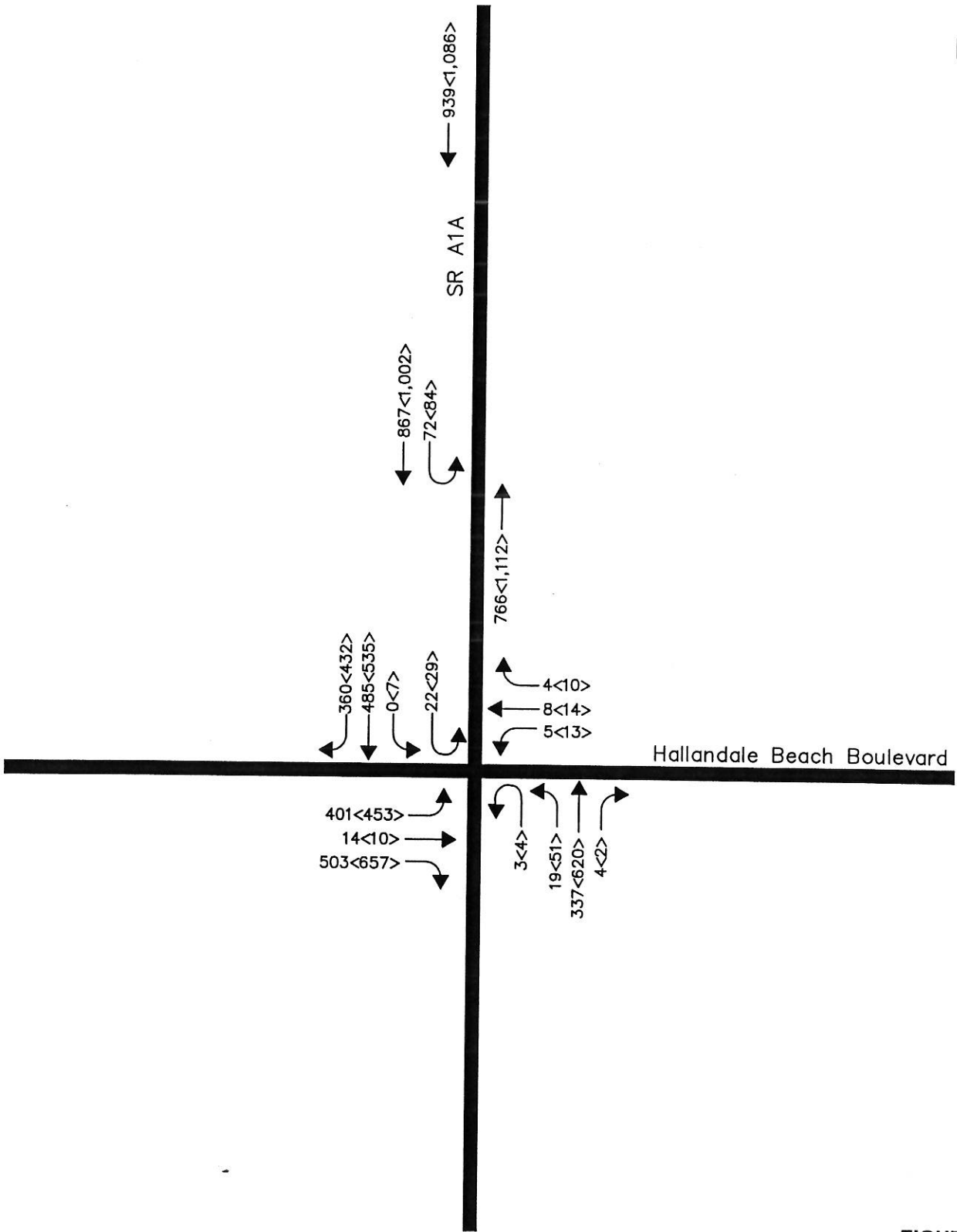
Non-project conditions are defined as the expected traffic conditions on the roadway network in the year 2009 without the construction of the proposed project. Non-project traffic volumes used in the analysis are the sum of the existing traffic and additional background traffic to account for potential growth in the study area. Refer to Figure 4 for the 2009 A.M. and P.M. peak hour non-project (background) traffic.

Background Area Growth

Future traffic growth on the transportation network was determined based upon historical growth trends in annual average daily traffic volumes. The nearest FDOT count stations referenced for this analysis are located on S.R. A1A north of S.R. 858 and on S.R. A1A south of S.R. 858. Historical count data obtained for the most recent years indicated that traffic volumes have been declining. Growth rates ranged from -3.0 percent (-3.0%) to -2.7 percent (-2.7%). However, to provide for a conservative analysis, a 0.5 percent (0.5%) growth rate was applied to existing traffic counts. The annual background growth worksheets are included in Appendix C. Turning movement volume worksheets are included in Appendix D.



N.T.S.



LEGEND

A.M. < P.M. >

FIGURE 4

2009 BACKGROUND TRAFFIC

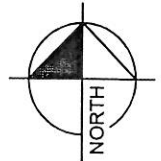


Kimley-Horn and Associates, Inc.

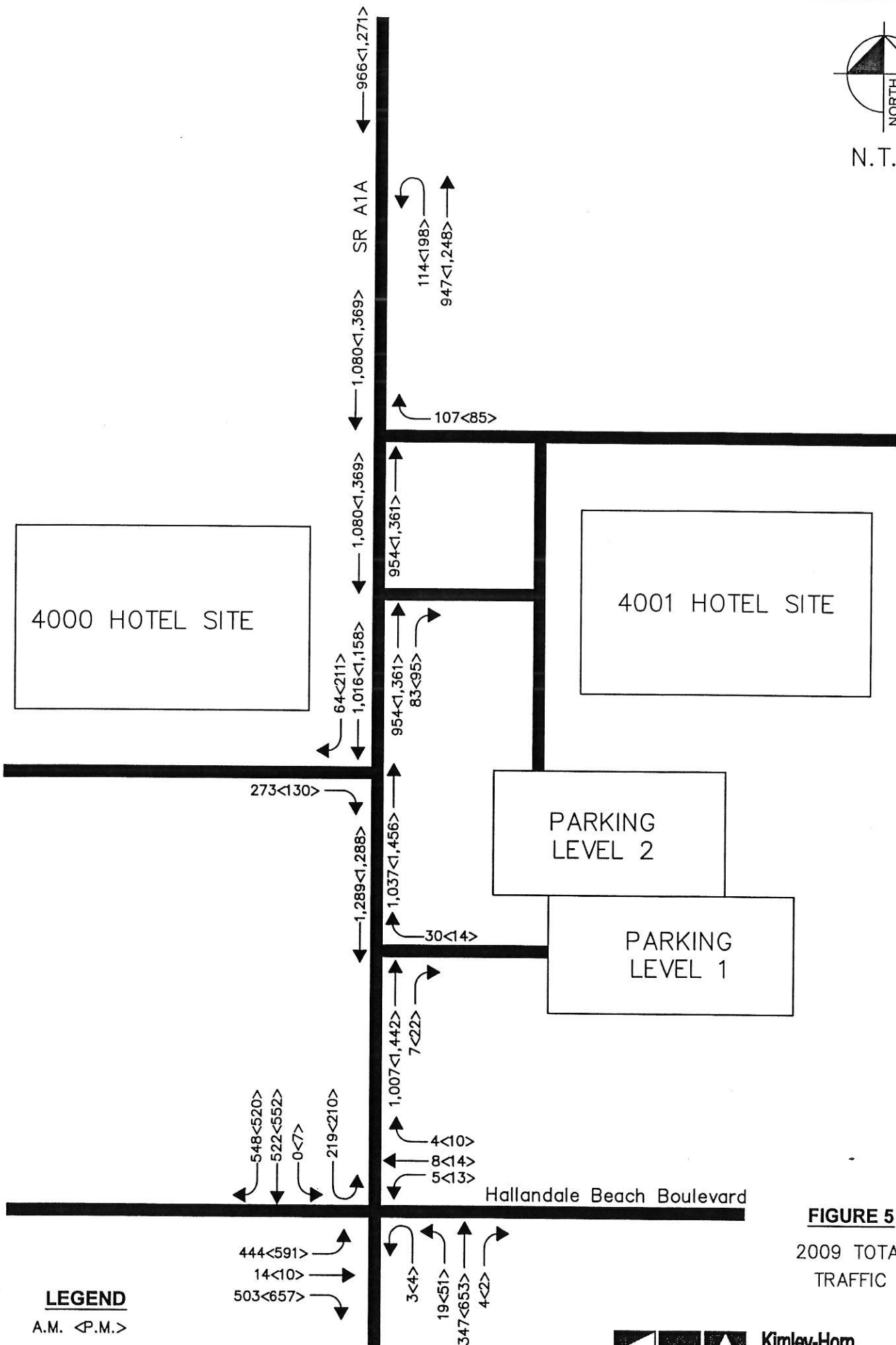


FUTURE TRAFFIC

Future traffic conditions are defined as the expected traffic conditions in the year 2009 with the addition of the project. Total traffic volumes used in the analysis are the sum of non-project (background) traffic volumes and the expected project traffic volumes. The median opening for U-turns on the southbound approach of S.R. A1A north of S.R. 858 is proposed to be closed. For the future (2009) total traffic condition analysis, the existing U-turns at the above median opening were assumed to occur at the intersection of S.R. A1A and S.R. 858. The A.M and P.M. peak hour total traffic volumes expected at project build out (year 2009) are shown in Figure 5.



N.T.S.



LEGEND
A.M. < P.M. >

FIGURE 5
2009 TOTAL TRAFFIC



CAPACITY ANALYSIS

Intersection capacity analyses were conducted for the following three traffic conditions:

- Existing Conditions
- Future (2009) No-build Conditions (without project traffic)
- Future (2009) Total Traffic Conditions (with project traffic)

The analyses were performed for the A.M. and P.M. peak hours using *Trafficware's SYNCHRO 6.0 Software*, which applies methodologies outlined in the *Highway Capacity Manual, 2000 Edition*.

Existing Conditions

The existing conditions analysis examined the intersection of S.R. A1A and S.R. 858 (Hallandale Beach Boulevard) and the directional median opening southbound S.R. A1A north of S.R. 858. The existing peak hour signal timings were used for the analysis of the intersection of S.R. A1A and S.R. 858. It should be noted that the southbound directional median opening on S.R. A1A north of S.R. 858 is under permissive/protected signal control. A "green ball" indication appears at all times unless a significant southbound left-turn delay is experienced. To provide for a conservative analysis, unsignalized "permissive" operation was assumed. Analysis worksheets and signal timings are included in Appendix E. A summary of the intersection analysis is shown in Table 2. As indicated in Table 2, the signalized intersection currently operates at LOS B during the A.M. and P.M. peak hours.



TABLE 2
Peak Hour Intersection Analysis
Existing Traffic Conditions

Intersection	Traffic Operation	Intersection LOS	Approach LOS			
			NB	SB	EB	WB
<i>A.M. Peak Hour</i>						
S.R. A1A and S.R. 858	Signal	B	B	A	B	D
Southbound U-turn & S.R. A1A	(1)	(2)	(4)	A ⁽³⁾	N/A	N/A
<i>P.M. Peak Hour</i>						
S.R. A1A and S.R. 858	Signal	B	B	B	B	D
Southbound U-turn & S.R. A1A	(1)	(2)	(4)	B ⁽³⁾	N/A	N/A

- Notes: (1) To provide for a conservative analysis, it was assumed that southbound U-turns were performed under unsignalized conditions.
 (2) Intersection LOS is not defined at unsignalized median openings.
 (3) Approach LOS reflects the U-turn movement only.
 (4) Approach operates under free-flow conditions.

Future (2009) No-build Conditions

The future no-build analysis also examined the intersection of S.R. A1A and S.R. 858 (Hallandale Beach Boulevard) and the directional median opening for southbound S.R. A1A north of S.R. 858. The existing peak hour signal timings were used for the analysis of the intersection of S.R. A1A and S.R. 858. Analysis worksheets and signal timings are included in Appendix F. A summary of the intersection analysis is shown in Table 3. As indicated in Table 3, the signalized intersection is expected to continue to operate at LOS B during the A.M. and P.M. peak hours.

TABLE 3						
Peak Hour Intersection Analysis						
<i>Future (2009) No-build Traffic Conditions</i>						
Intersection	Traffic Operation	Intersection LOS	Approach LOS			
			NB	SB	EB	WB
<i>A.M. Peak Hour</i>						
S.R. A1A and S.R. 858	Signal	B	B	A	B	D
Southbound U-turn & S.R. A1A	(1)	(2)	(4)	A ⁽³⁾	N/A	N/A
<i>P.M. Peak Hour</i>						
S.R. A1A and S.R. 858	Signal	B	B	B	B	D
Southbound U-turn & S.R. A1A	(1)	(2)	(4)	B ⁽³⁾	N/A	N/A

- Notes: (1) To provide for a conservative analysis, it was assumed that southbound U-turns were performed under unsignalized conditions.
- (2) Intersection LOS is not defined at unsignalized median openings.
- (3) Approach LOS reflects the U-turn movement only.
- (4) Approach operates under free-flow conditions.

Future (2009) Total Traffic Conditions

The future total traffic conditions analysis examined the intersection of S.R. A1A and S.R. 858 (Hallandale Beach Boulevard). Please note that the existing median opening for the southbound approach of S.R. A1A north of S.R. 858 is proposed to be closed. The existing U-turns at the above median opening were assumed to occur at the intersection of S.R. A1A and S.R. 858. The existing peak hour signal timings were used for the analysis. Analysis worksheets and signal timings are included in Appendix G. A summary of the intersection analysis is shown in Table 4. As indicated in Table 4, the signalized intersection is expected to operate at LOS C or better during the A.M. and P.M. peak hours. The project driveways are expected to operate at LOS C or better during the A.M. and P.M. peak hours.



TABLE 3
Peak Hour Intersection Analysis
Future (2009) Total Traffic Conditions

Intersection	Traffic Operation	Intersection LOS	Approach LOS			
			NB	SB	EB	WB
<i>A.M. Peak Hour</i>						
S.R. A1A and S.R. 858	Signal	B	C	B	C	D
S.R. A1A and South driveway (east side)	Stop	(1)	(2)	(2)	N/A	B
S.R. A1A and North driveway (east side)	Stop	(1)	(2)	(2)	N/A	B
S.R. A1A and West driveway	Stop	(1)	(2)	(2)	C	N/A
<i>P.M. Peak Hour</i>						
S.R. A1A and S.R. 858	Signal	C	C	B	C	D
S.R. A1A and South driveway (east side)	Stop	(1)	(2)	(2)	N/A	B
S.R. A1A and North driveway (east side)	Stop	(1)	(2)	(2)	N/A	B
S.R. A1A and West driveway	Stop	(1)	(2)	(2)	C	N/A

- Notes: (1) Intersection LOS is not defined at side street stop-controlled intersections.
 (2) Approach operates under free-flow conditions.



CONCLUSIONS

It is proposed to build 962 high-rise residential condominium/townhouse units and 70 luxury condominium/townhouse units in Hollywood, Florida. The project site is located on east and west sides of S.R. A1A (Ocean Drive) north of the intersection of S.R. A1A and S.R. 858 (Hallandale Beach Boulevard). Two hotels currently exist on the site – one on either side of S.R. A1A. A surface parking lot serves the hotel on the west side of S.R. A1A and a two-story parking garage serves the hotel on the east side of S.R. A1A. The project is planned to be completed for occupancy in the year 2009.

Access to the site and parking facilities is proposed through four (4) driveways on S.R. A1A. The functionalities of the project driveways are as follows:

- A right-in/right-out driveway (south driveway) on the east side of S.R. A1A, which currently provides access to the ground floor of the existing parking garage.
- A right-in driveway (central driveway) is proposed on the east side of S.R. A1A.
- A right-in/right-out driveway (north driveway) is proposed on the east side of S.R. A1A.
- A right-in/right-out driveway on the west side of S.R. A1A, which currently provides access to the surface parking lot.

The project driveways will be stop-controlled. The existing directional median opening for the southbound approach of S.R. A1A north of S.R. 858 is proposed to be closed.

Intersection capacity analyses were performed for the A.M. and P.M. peak hours using *Trafficware's SYNCHRO 6.0 Software*, which applies methodologies outlined in the *Highway Capacity Manual, 2000 Edition*. The intersection of S.R. A1A and S.R. 858 is expected to operate at LOS C or better under future (2009) total (with project) traffic conditions during the A.M. and P.M. peak hours.

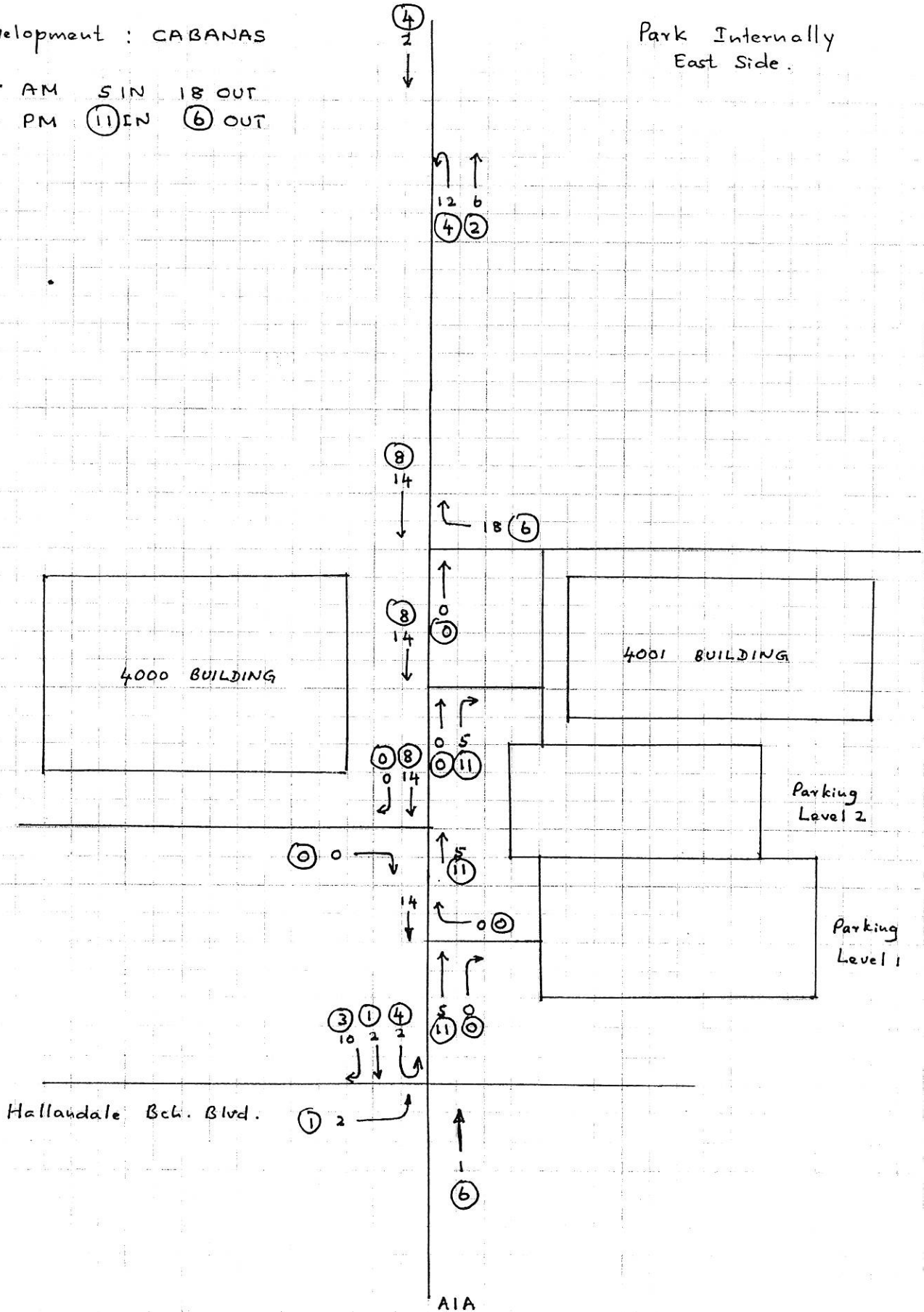
APPENDIX A:
Detailed Project Traffic Assignment Worksheets



Development : CABANAS

— AM 5 IN 18 OUT
— PM 11 IN 6 OUT

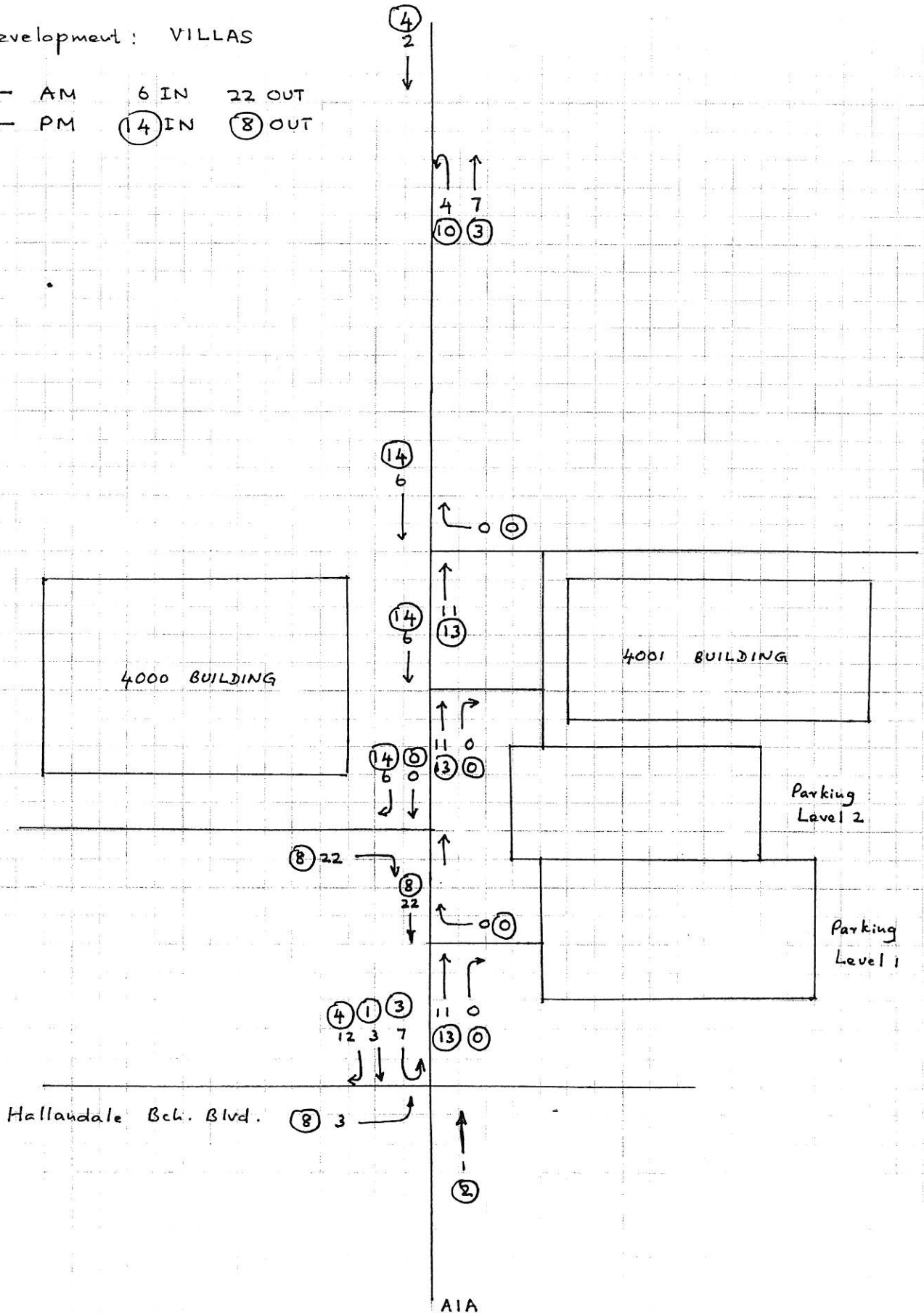
Park Internally
East Side.





Development: VILLAS

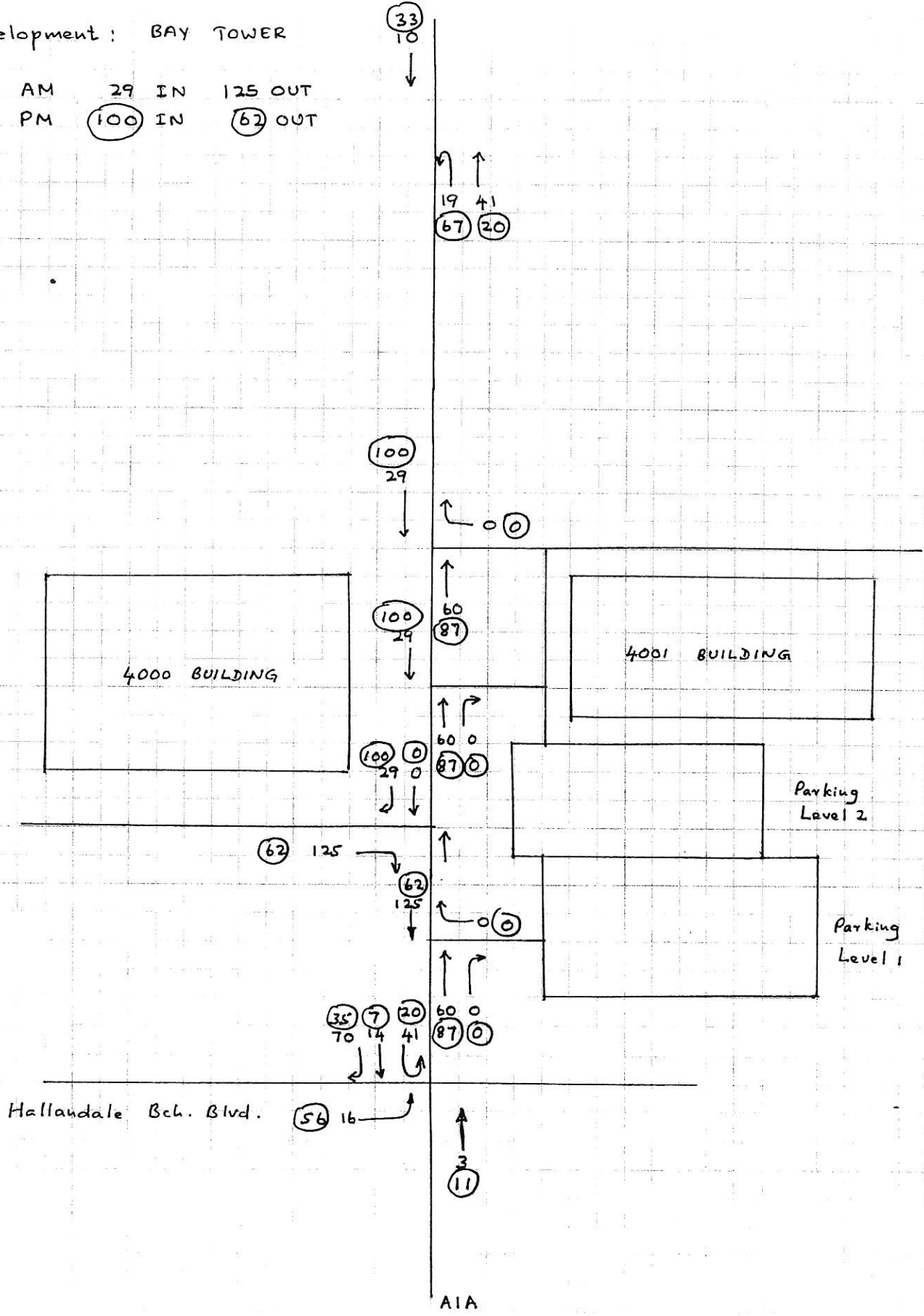
— AM 6 IN 22 OUT
 — PM (14) IN (8) OUT





Development: BAY TOWER

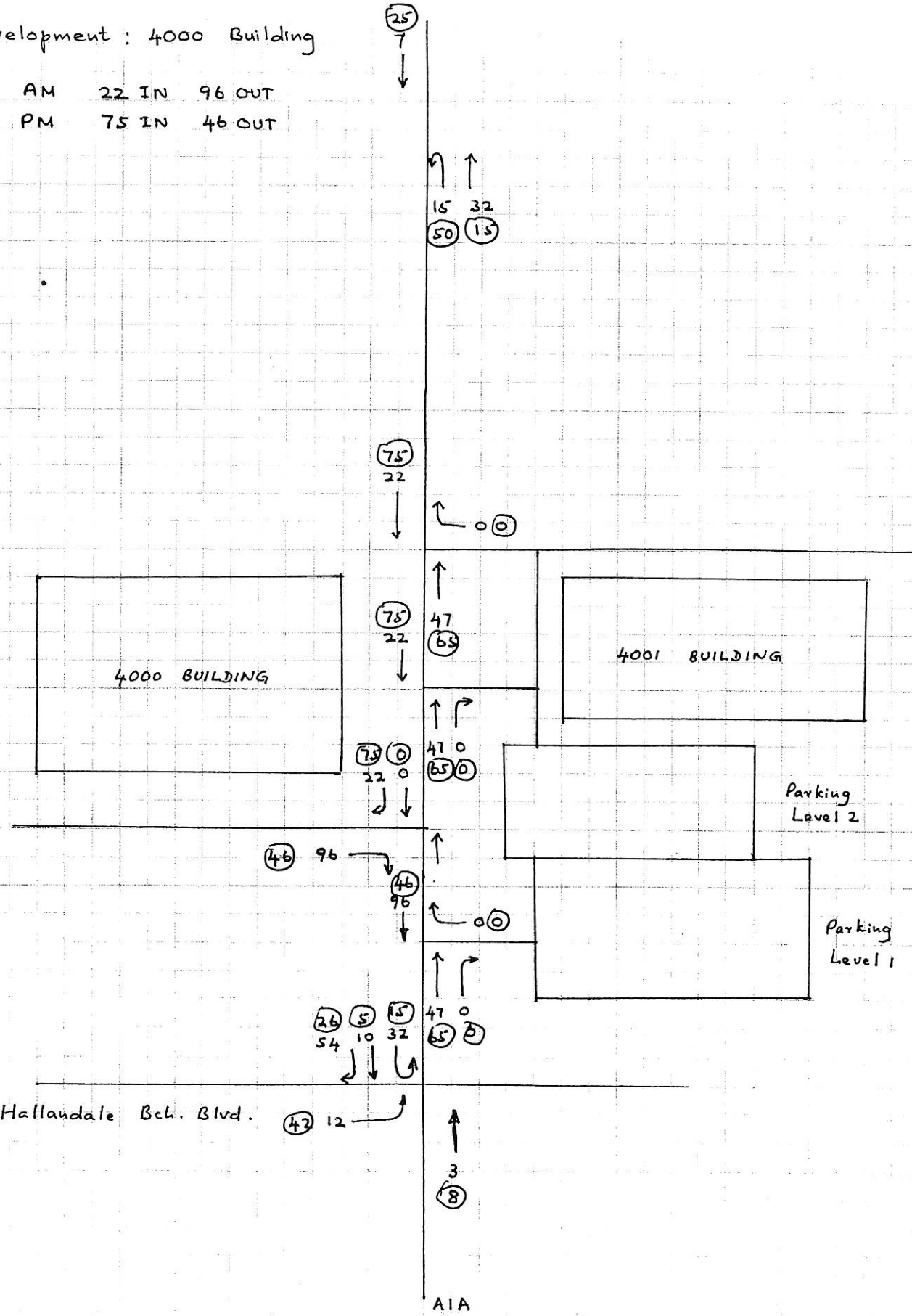
— AM 29 IN 125 OUT
 — PM (100) IN (62) OUT





Development : 4000 Building

- AM 22 IN 96 OUT
- PM 75 IN 46 OUT

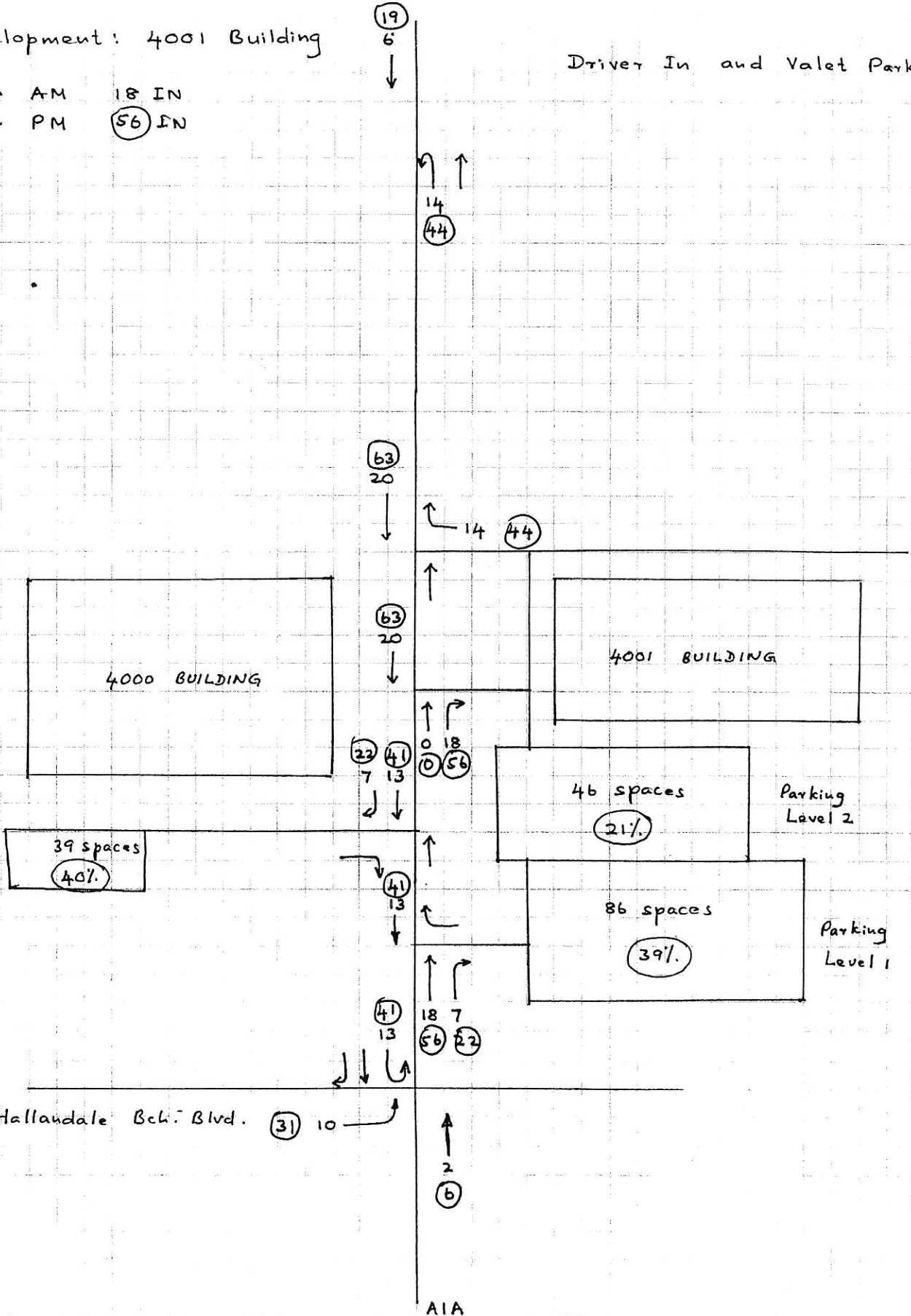




Development: 4001 Building

— AM 18 IN
— PM 56 IN

Driver In and Valet Park In

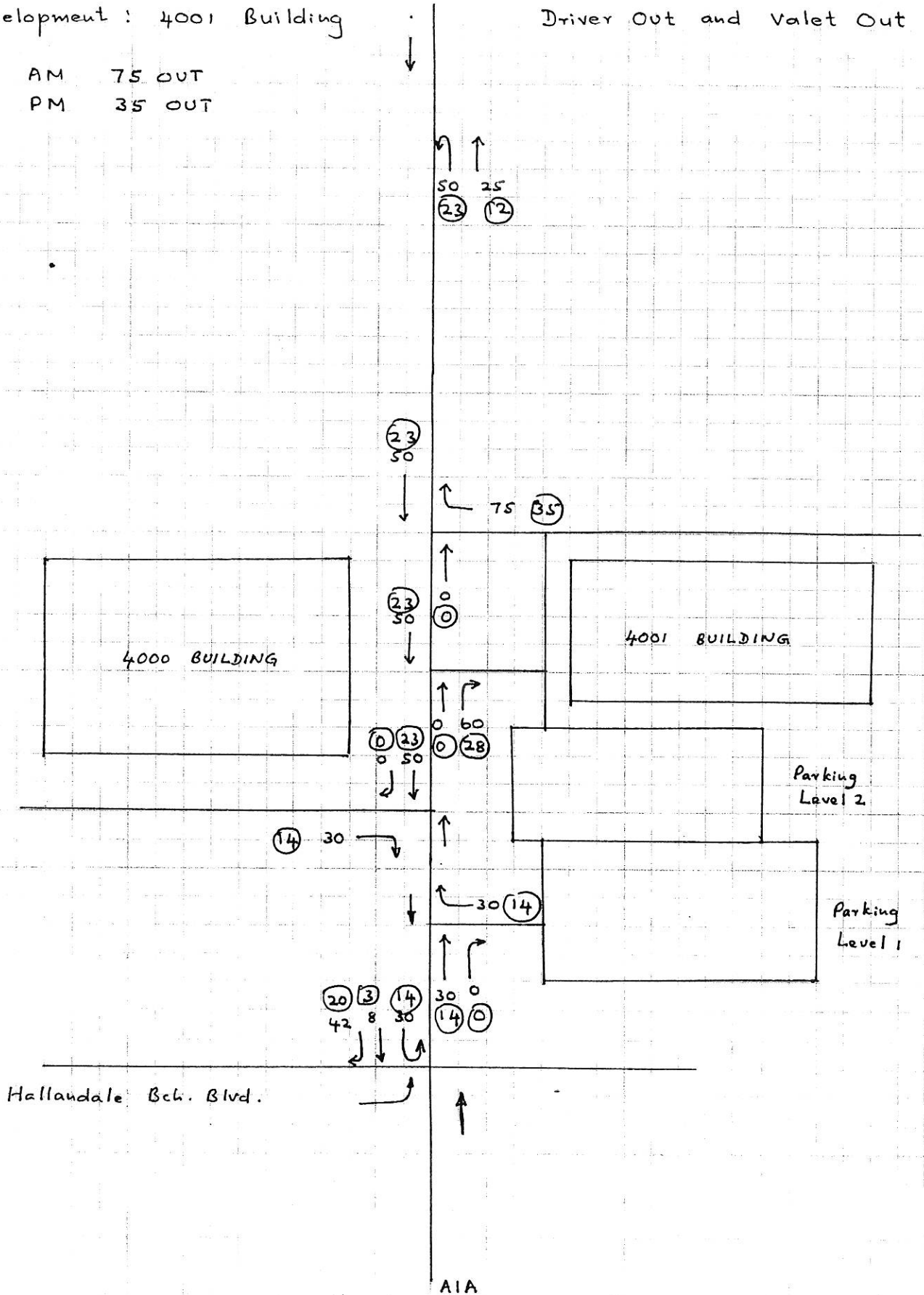


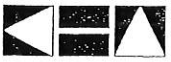


Development: 4001 Building

Driver Out and Valet Out

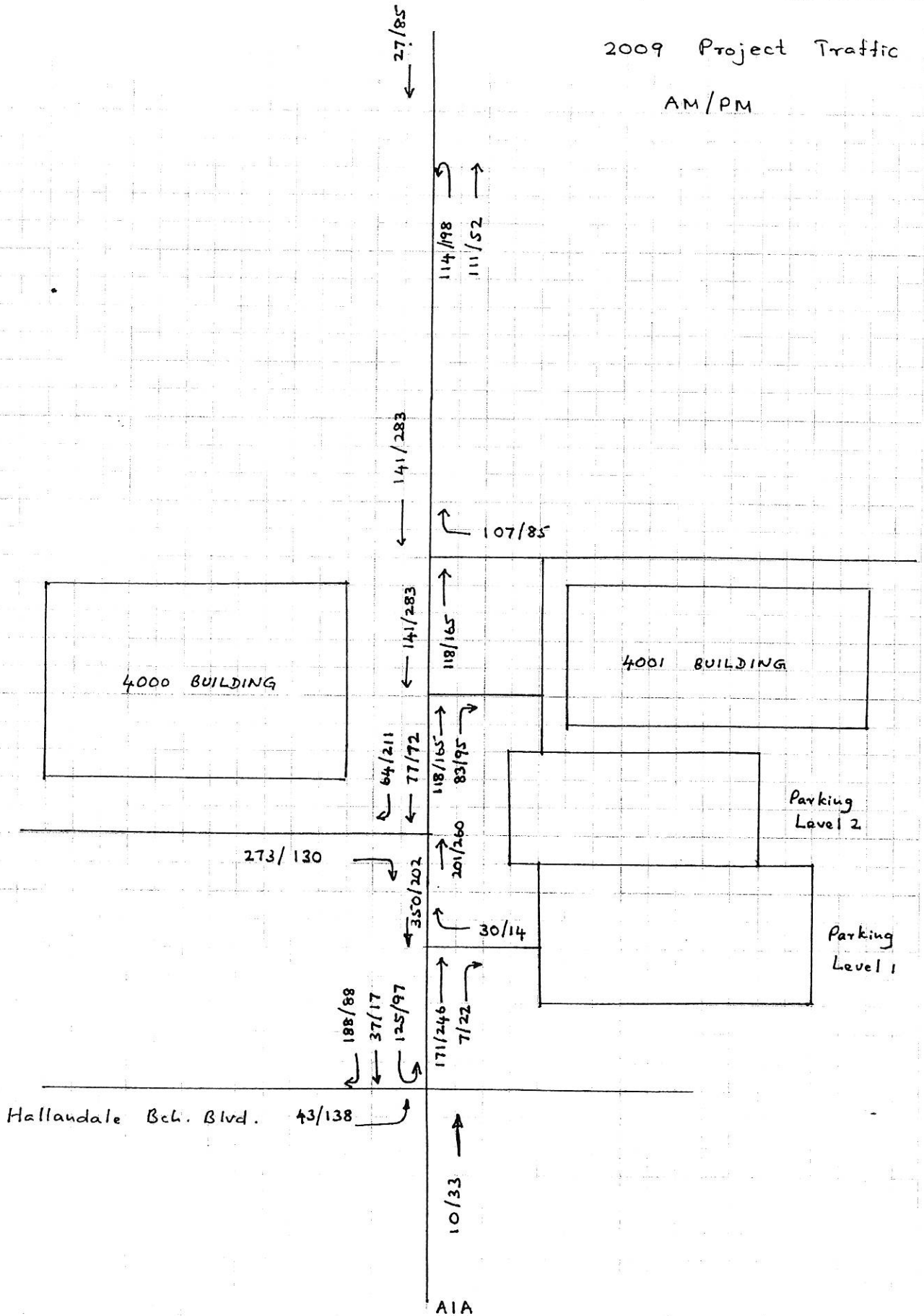
- AM 75 OUT
- PM 35 OUT

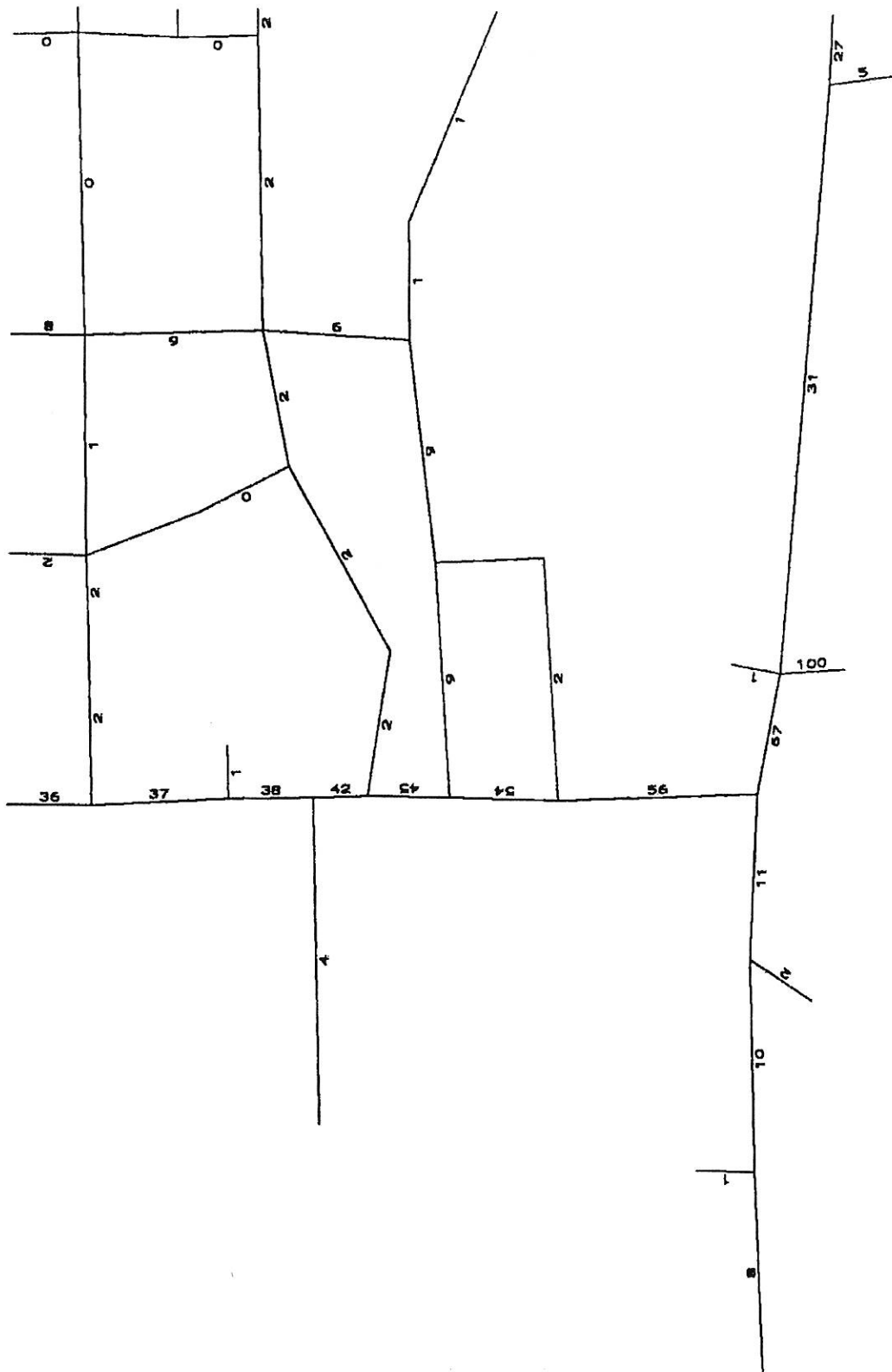




2009 Project Traffic

AM/PM





2015 HALLANDALE BEACH CONDOMINIUMS - SELECT ZONE ASSIGNMENT
 PERCENT OF PROJECT TRAFFIC

01AUG05 16:47:23

APPENDIX B:
Peak Hour Turning Movement Counts

HALLANDALE BEACH BOULEVARD & A1A
 HALLANDALE BEACH, FLORIDA
 COUNTED BY: MIKE & SUSAN MALONE
 SIGNALIZED

TRAFFIC SURVEY SPECIALISTS, INC.
 624 GARDENIA TERRACE
 DELRAY BEACH, FLORIDA 33444
 (561) 272-3255 FAX (561) 272-4381

Site Code : 00050208
 Start Date: 08/02/05
 File I.D. : HALA_A1A
 Page : 1

ALL VEHICLES

Date	A1A/SOUTH OCEAN DRIVE From North				HALLANDALE BEACH BOULEVARD From East				A1A/SOUTH OCEAN DRIVE From South				HALLANDALE BEACH BOULEVARD From West				Total
	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	
07:00	66	68	5	3	1	0	0	0	1	57	0	6	69	8	0	71	355
07:15	57	73	1	0	0	4	0	1	0	66	1	4	89	10	0	64	370
07:30	66	102	5	4	3	2	0	0	1	83	1	2	121	4	0	73	467
07:45	60	97	6	0	2	1	0	0	1	107	1	6	121	4	1	88	495
Hr Total	249	340	17	7	6	7	0	1	3	313	3	18	400	26	1	296	1687
08:00	78	104	4	0	1	1	0	1	2	69	0	4	94	5	0	87	450
08:15	72	101	6	0	2	5	0	2	1	90	0	6	102	4	0	108	499
08:30	84	109	4	0	1	0	0	2	1	75	3	6	116	3	0	78	482
08:45	90	122	6	0	0	1	0	0	0	69	0	1	140	1	1	87	518*
Hr Total	324	436	20	0	4	7	0	5	4	303	3	17	452	13	1	360	1949
PHF = 0.94																	
* BREAK *																	
16:00	100	85	3	2	0	3	0	0	0	140	3	14	150	2	3	108	613
16:15	110	117	4	0	2	0	0	1	1	146	0	12	138	2	0	93	626
16:30	82	73	3	1	0	4	0	1	1	174	0	5	151	2	0	99	596
16:45	85	115	7	1	0	3	0	0	3	118	0	8	133	2	0	103	578
Hr Total	377	390	17	4	2	10	0	2	5	578	3	39	572	8	3	403	2413
17:00	101	109	4	2	1	3	0	5	0	150	1	14	167	1	1	97	656
17:15	96	108	3	1	2	1	0	1	1	123	3	12	143	2	1	114	611
17:30	84	120	6	3	2	5	0	3	0	134	0	10	134	1	1	97	600
17:45	107	144	13	0	4	4	0	3	1	151	0	10	147	5	0	96	685*
Hr Total	388	481	26	6	9	13	0	12	2	558	4	46	591	9	3	404	2552
PHF = 0.93																	
TOTAL	1338	1647	80	17	21	37	0	20	14	1752	13	120	2015	56	8	1463	8601

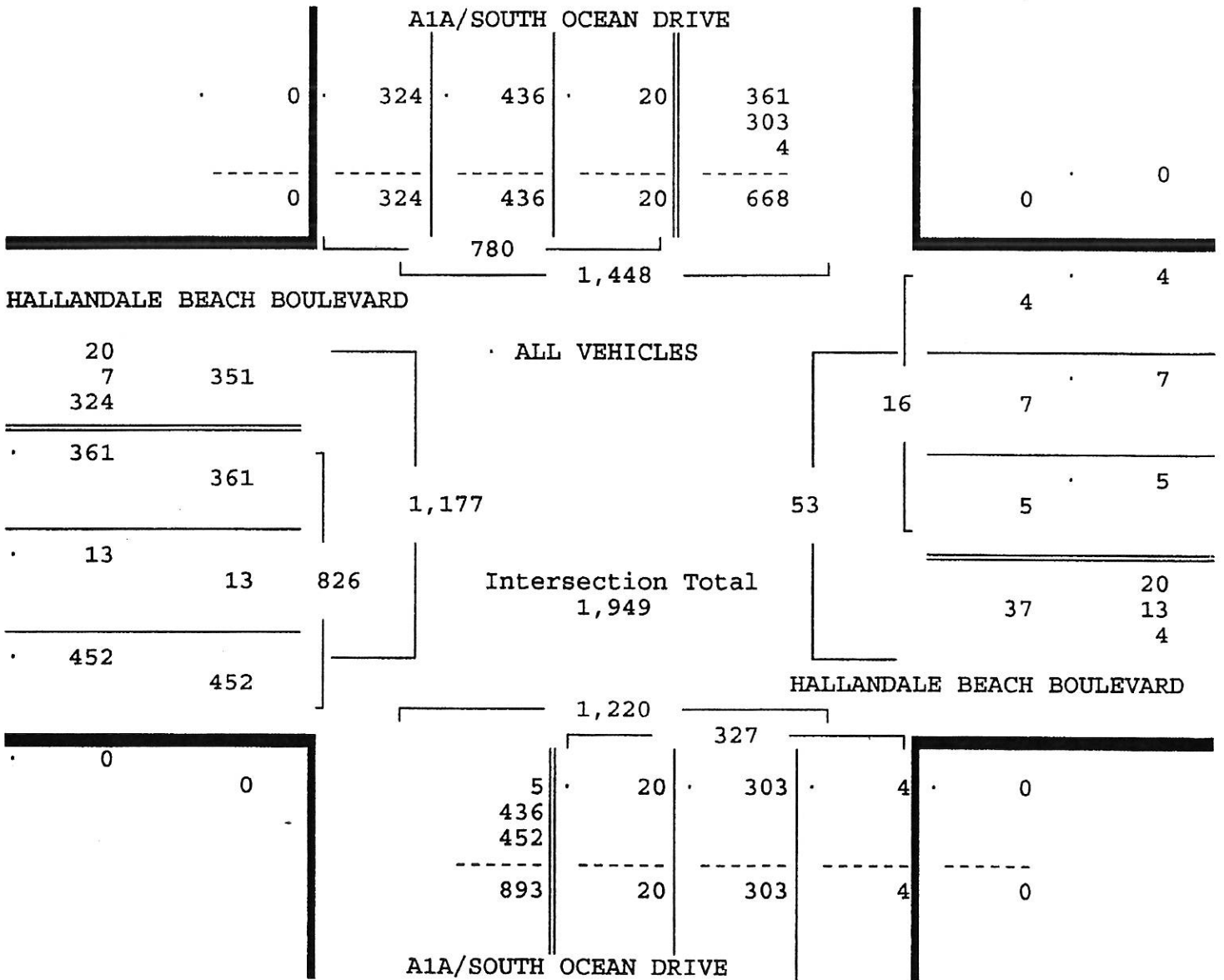
HALLANDALE BEACH BOULEVARD & A1A
 HALLANDALE BEACH, FLORIDA
 COUNTED BY: MIKE & SUSAN MALONE
 SIGNALIZED

TRAFFIC SURVEY SPECIALISTS, INC.
 624 GARDENIA TERRACE
 DELRAY BEACH, FLORIDA 33444
 (561) 272-3255 FAX (561) 272-4381

Site Code : 00050208
 Start Date: 08/02/05
 File I.D. : HALA_A1A
 Page : 2

ALL VEHICLES

Date	A1A/SOUTH OCEAN DRIVE From North				HALLANDALE BEACH BOULEVARD From East				A1A/SOUTH OCEAN DRIVE From South				HALLANDALE BEACH BOULEVARD From West				Total
	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	
08/02/05																	
Peak Hour Analysis By Entire Intersection for the Period: 07:00 to 09:00 on 08/02/05																	
Peak start	08:00				08:00				08:00				08:00				
Volume	324	436	20	0	4	7	0	5	4	303	3	17	452	13	1	360	
Percent	42%	56%	3%	0%	25%	44%	0%	31%	1%	93%	1%	5%	55%	2%	0%	44%	
Pk total	780				16				327				826				
Highest	08:45				08:15				08:15				08:45				
Volume	90	122	6	0	2	5	0	2	1	90	0	6	140	1	1	87	
Hi total	218				9				97				229				
PHF	.89				.44				.84				.90				



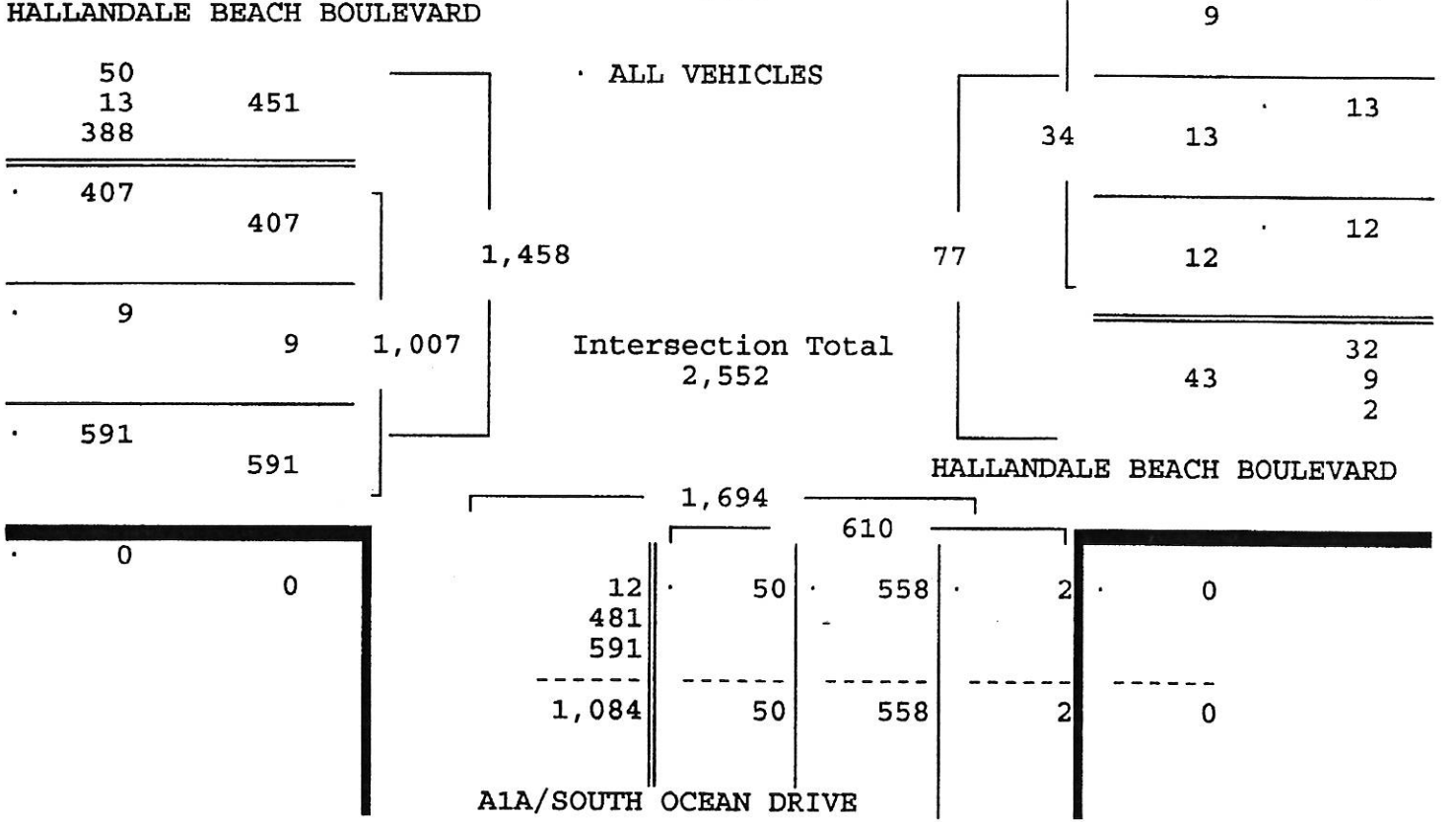
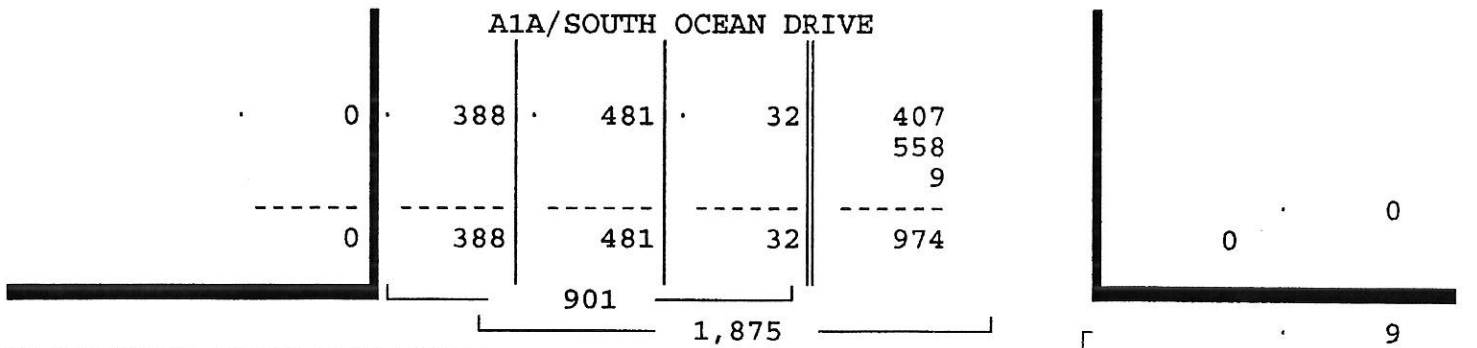
HALLANDALE BEACH BOULEVARD & A1A
 HALLANDALE BEACH, FLORIDA
 COUNTED BY: MIKE & SUSAN MALONE
 SIGNALIZED

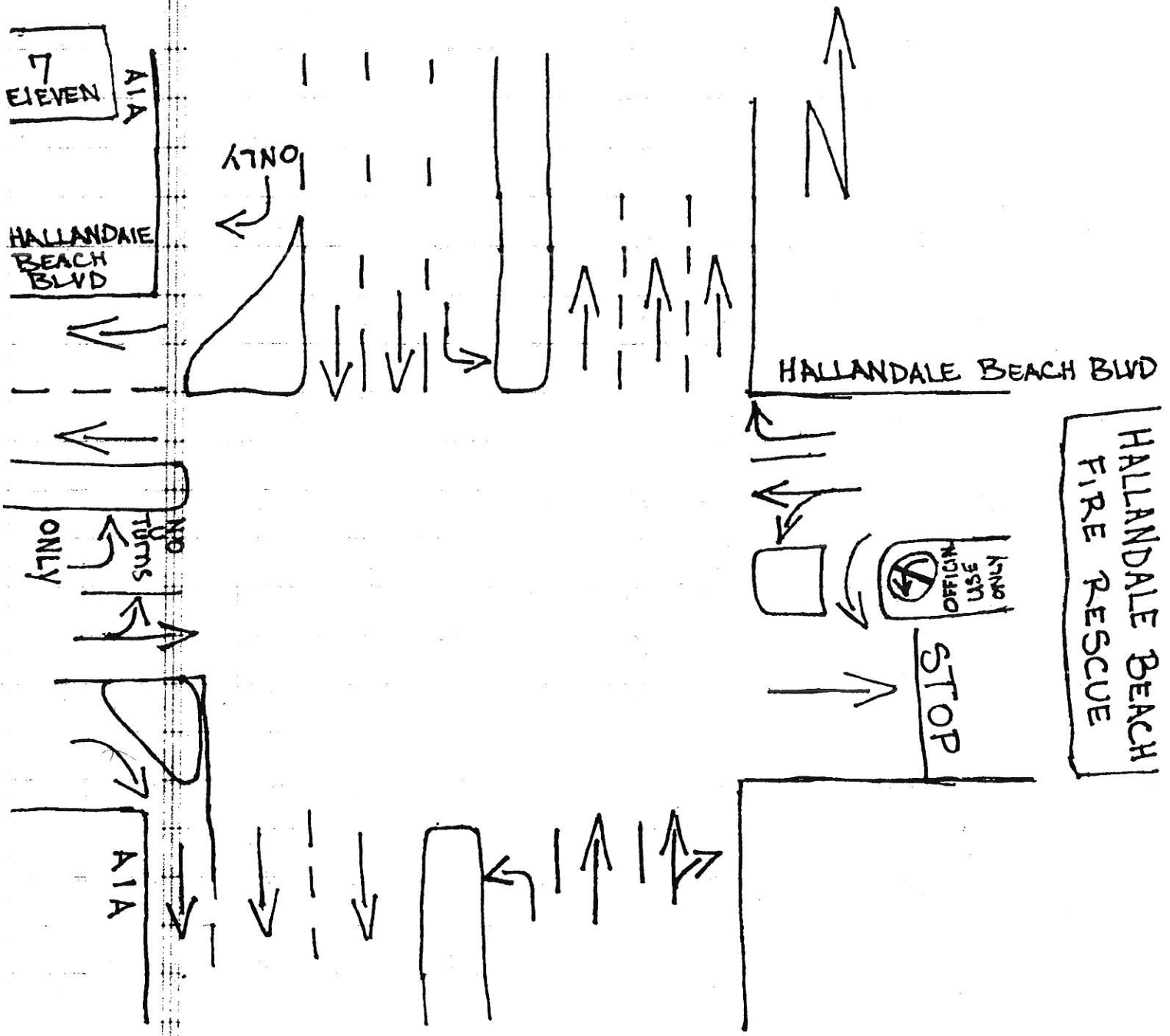
TRAFFIC SURVEY SPECIALISTS, INC.
 624 GARDENIA TERRACE
 DELRAY BEACH, FLORIDA 33444
 (561) 272-3255 FAX (561) 272-4381

Site Code : 00050208
 Start Date: 08/02/05
 File I.D. : HALA_A1A
 Page : 3

ALL VEHICLES

Date	A1A/SOUTH OCEAN DRIVE From North				HALLANDALE BEACH BOULEVARD From East				A1A/SOUTH OCEAN DRIVE From South				HALLANDALE BEACH BOULEVARD From West				Total
	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	Right	Thru	UTurn	Left	
08/02/05																	
Peak Hour Analysis By Entire Intersection for the Period: 16:00 to 18:00 on 08/02/05																	
Peak start 17:00					17:00				17:00				17:00				
Volume	388	481	26	6	9	13	0	12	2	558	4	46	591	9	3	404	
Percent	43%	53%	3%	1%	26%	38%	0%	35%	0%	91%	1%	8%	59%	1%	0%	40%	
Pk total	901				34				610				1007				
Highest	17:45				17:45				17:00				17:00				
Volume	107	144	13	0	4	4	0	3	0	150	1	14	167	1	1	97	
Hi total	264				11				165				266				
PHF	.85				.77				.92				.95				





SIGNALIZED
 HALLANDALE BEACH, FL
 AUGUST 2, 2005
 DRAWN BY: MIKE MALONE

(109)

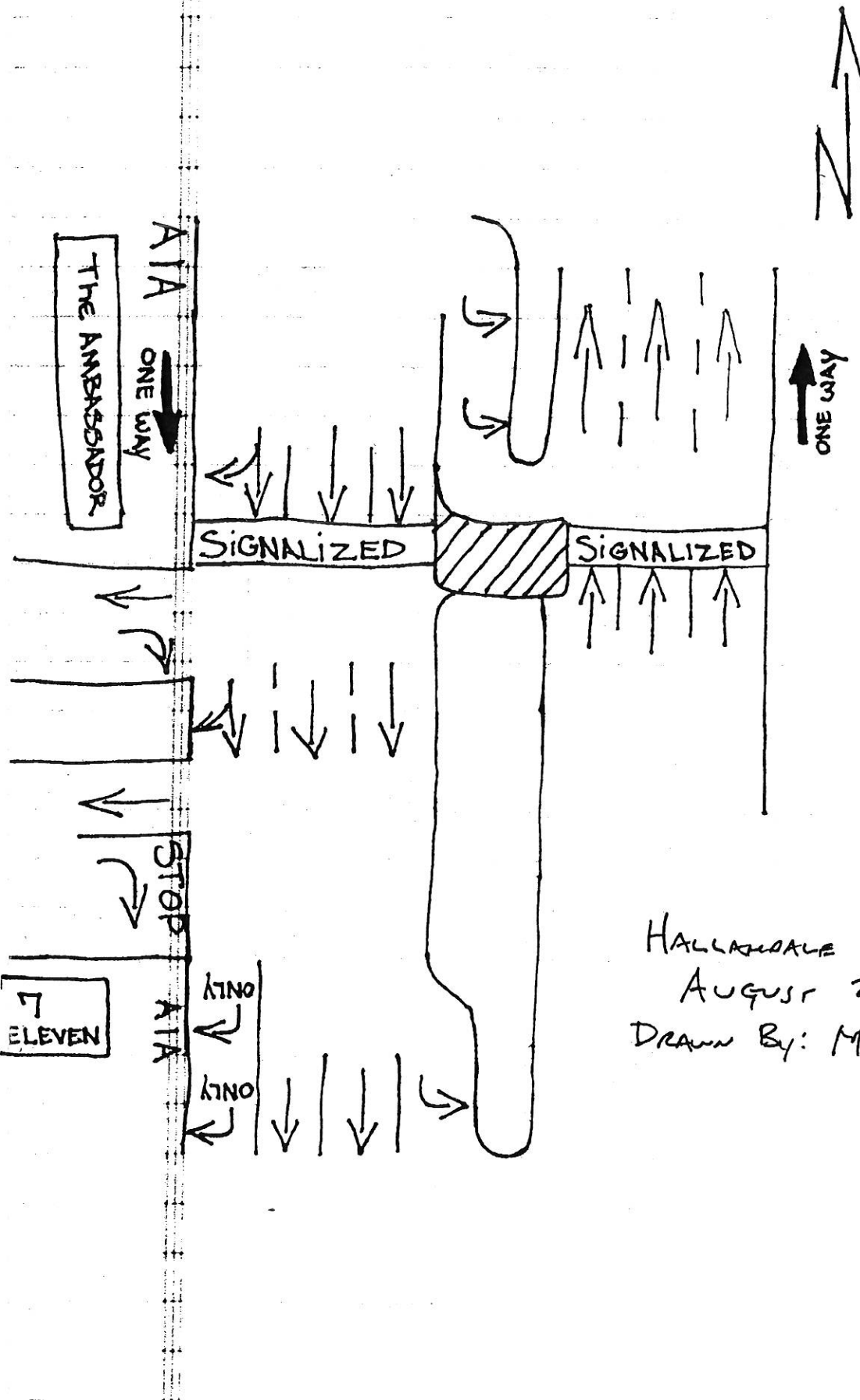
MEDIAN OPENING NORTH OF HALLANDALE BEACH
 BOULEVARD & 7-11 & A1A
 HALLANDALE BEACH, FLORIDA
 COUNTED BY: SAMANTHA PALOMINO

Traffic Survey Specialists, Inc.
 624 Gardenia Terrace
 Delray Beach, Florida 33444
 (561) 272-3255 Fax (561) 272-4381

Study Name: 7_11_A1A
 Site Code : 00050208
 Start Date: 08/02/05
 Page : 1

7-11 & UTurnS

Start Time	A1A From North				A1A From South			7-ELEVEN From West			Intrvl. Total
	Thru	Right	UTurn	Peds	Left	Thru	UTurn	Left	Right	Peds	
08/02/05											
07:00	0	8	3	0	0	0	0	0	8	0	19
07:15	0	12	9	0	0	0	2	0	3	0	26
07:30	0	8	12	0	0	0	2	0	10	0	32
07:45	0	20	8	0	0	0	2	0	10	0	40
Hour	0	48	32	0	0	0	6	0	31	0	117
08:00	0	7	14	0	0	0	0	0	7	0	28
08:15	0	9	19	0	0	0	0	0	10	0	38
08:30	0	17	16	0	0	0	0	0	6	0	39
08:45	0	9	16	0	0	0	2	0	10	0	37
Hour	0	42	65	0	0	0	2	0	33	0	142
[BREAK]	-----										
16:00	0	19	12	0	0	0	1	0	7	0	39
16:15	0	12	12	0	0	0	4	0	10	0	38
16:30	0	12	31	0	0	0	0	0	5	0	48
16:45	0	13	12	0	0	0	2	0	9	0	36
Hour	0	56	67	0	0	0	7	0	31	0	161
17:00	0	16	25	0	0	0	4	0	12	0	57
17:15	0	17	18	0	0	0	0	0	6	0	41
17:30	0	18	17	0	0	0	0	0	11	0	46
17:45	0	16	15	0	0	0	1	0	11	0	43
Hour	0	67	75	0	0	0	5	0	40	0	187
Total	0	213	239	0	0	0	20	0	135	0	607
% Apr.	-	47.1	52.8	-	-	-	100.0	-	100.0	-	-
% Int.	-	35.0	39.3	-	-	-	3.2	-	22.2	-	-



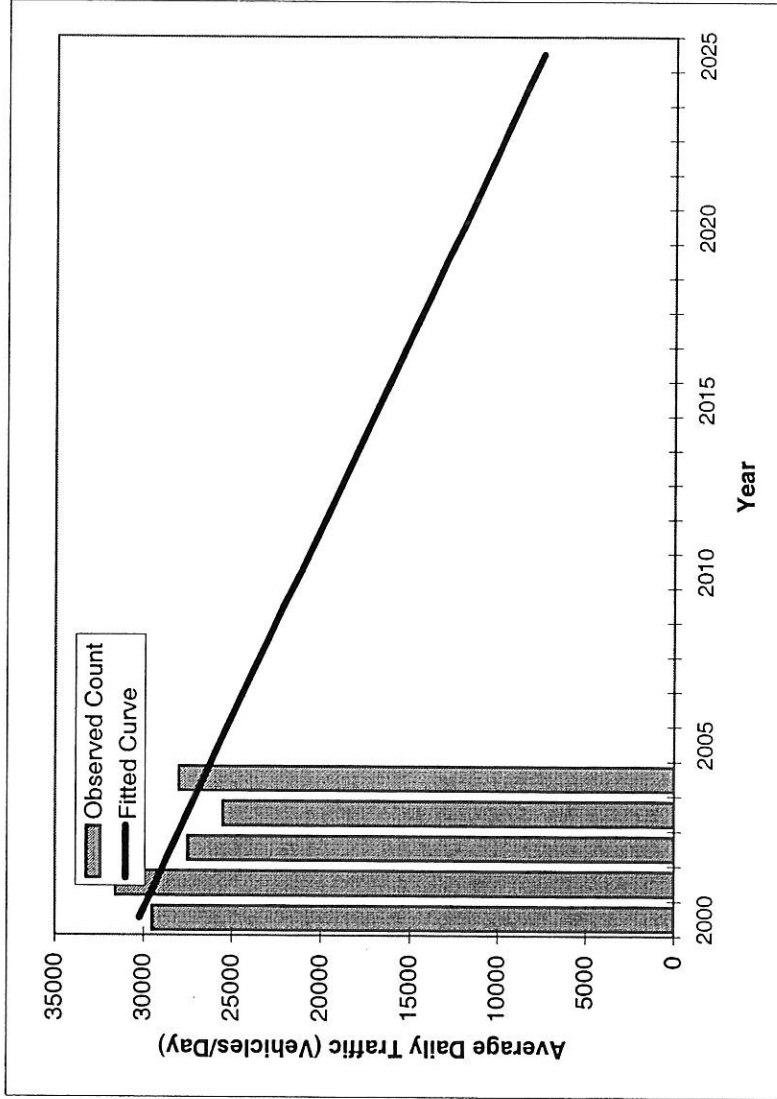
HALLANDALE BEACH, FL
 AUGUST 2, 2005
 DRAWN BY: MIKE MALONE
 (RM)

APPENDIX C:
Annual Background Growth Worksheets

TRAFFIC TRENDS

SR A1A (OCEAN DR) -- N of HALLANDALE BCH BLVD

County: BROWARD COUNTY
Station #: 86-0418
Highway: SR A1A (OCEAN DR)



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2000	29500	30200
2001	31600	29300
2002	27500	28400
2003	25500	27500
2004	28000	26600
2008 Opening Year Trend		
2008	N/A	23000
2009 Mid-Year Trend		
2009	N/A	22100
2010 Design Year Trend		
2010	N/A	21100
TRANPLAN Forecasts/Trends		

**** Annual Trend Increase:** -910
Trend R-squared: 39.8%
Trend Annual Historic Growth Rate: -2.98%
Trend Growth Rate (2004 to Design Year): -3.45%
Printed: 1-Aug-05

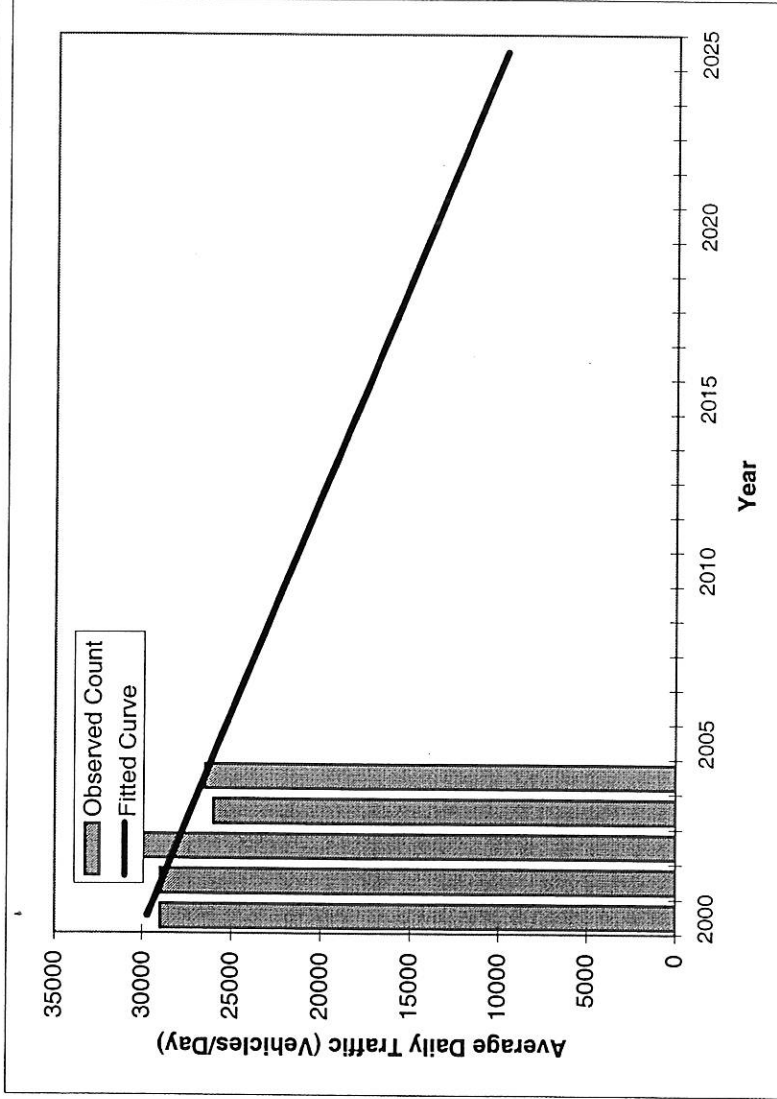
Straight Line Growth Option

*Axle-Adjusted

TRAFFIC TRENDS

SR A1A (OCEAN DR) -- S of HALLANDALE BCH BLVD

County: BROWARD COUNTY	Station #: 86-5044
Highway: SR A1A (OCEAN DR)	



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2000	29000	29700
2001	29000	28900
2002	30000	28100
2003	26000	27300
2004	26500	26500
2008 Opening Year Trend		
2008	N/A	23300
2009 Mid-Year Trend		
2009	N/A	22500
2010 Design Year Trend		
2010	N/A	21700
TRANPLAN Forecasts/Trends		

**** Annual Trend Increase:** -800
Trend R-squared: 52.5%
Trend Annual Historic Growth Rate: -2.69%
Trend Growth Rate (2004 to Design Year): -3.02%
Printed: 1-Aug-05

Straight Line Growth Option

*Axle-Adjusted

Florida Department of Transportation
 Transportation Statistics Office
2004 Historical AADT Report

County: 86 - BROWARD

Site: 0418 Description: SR A1A - N OF HALLANDALE BEACH BLVD

Year	AADT	Direction 1	Direction 2	K Factor	D Factor	T Factor
2004	C 28,000	N 14,500	S 13,500	0.10	0.56	2.30
2003	C 25,500	N 13,000	S 12,500	0.09	0.56	2.30
2002	C 27,500	N 14,500	S 13,000	0.10	0.55	2.50
2001	E 31,643	N 15,868	S 15,775	0.10	0.56	3.60
2000	C 29,500	N 15,000	S 14,500	0.09	0.56	2.60
1999	C 31,000	N 15,000	S 16,000	0.09	0.56	2.10
1998	C 32,000	N 16,000	S 16,000	0.10	0.54	2.20
1997	C 31,500	N 16,000	S 15,500	0.10	0.55	1.60
1996	C 30,500	N 15,500	S 15,000	0.10	0.56	4.00
1995	C 26,000	N 13,500	S 12,500	0.10	0.60	2.00
1994	C 30,000	N 15,000	S 15,000	0.10	0.60	1.50
1993	C 28,000	N 14,000	S 14,000	0.00	0.00	0.00
1992	C 26,000	N 12,500	S 13,500	0.00	0.00	0.00
1991	25,773	N 12,953	S 12,820	0.00	0.00	0.00
1990	30,189	N 16,016	S 14,173	0.00	0.00	0.00
1989	27,499	N 13,968	S 13,531	0.00	0.00	0.00
1988	27,587	N 14,389	S 13,198	0.00	0.00	0.00
1987	26,199	N 13,538	S 12,661	0.00	0.00	0.00
1986	26,389	N 13,675	S 12,714	0.00	0.00	0.00
1985	27,141	N 13,925	S 13,216	0.00	0.00	0.00
1984	19,532	N 9,668	S 9,864	0.00	0.00	0.00
1983	19,070	N 9,760	S 9,310	0.00	0.00	0.00
1982	18,631	N 9,293	S 9,338	0.00	0.00	0.00
1981	20,648	N 11,180	S 9,468	0.00	0.00	0.00
1980	22,615	N 11,605	S 11,010	0.00	0.00	0.00
1979	24,028	N 11,948	S 12,080	0.00	0.00	0.00
1978	28,770	N 14,899	S 13,871	0.00	0.00	0.00
1977	27,743	N 14,200	S 13,543	0.00	0.00	0.00
1976	20,645	N 10,383	S 10,262	0.00	0.00	0.00
1975	28,780	N 15,130	S 13,650	0.00	0.00	0.00
1974	31,142	N 15,196	S 15,946	0.00	0.00	0.00
1973	29,037	N 13,275	S 15,762	0.00	0.00	0.00
1972	23,591	N 12,121	S 11,470	0.00	0.00	0.00
1971	22,363	N 10,690	S 11,673	0.00	0.00	0.00
1970	18,749	N 8,828	S 9,921	0.00	0.00	0.00

AADT Flags: C = Computed; E = Manual Estimate; F = First Year Est;
 S = Second Year Est; T = Third Year Est; X = Unknown

Florida Department of Transportation
 Transportation Statistics Office
 2004 Historical AADT Report

County: 86 - BROWARD

Site: 5044 Description: SR A1A - S OF SR 858/HALLANDALE BEACH BLVD

Year	AADT	Direction 1	Direction 2	K Factor	D Factor	T Factor
2004	C 26,500	N 12,500	S 14,000	0.10	0.56	2.90
2003	C 26,000	N 13,000	S 13,000	0.09	0.56	2.90
2002	F 30,000	N 14,500	S 15,500	0.10	0.55	2.50
2001	C 29,000	N 14,000	S 15,000	0.10	0.56	3.60
2000	C 29,000	N 14,000	S 15,000	0.09	0.56	2.60
1999	C 30,000	N 14,500	S 15,500	0.09	0.56	2.10
1998	C 30,500	N 15,000	S 15,500	0.10	0.54	2.20
1997	C 29,500	N 14,500	S 15,000	0.10	0.55	1.90
1996	C 25,000	N 12,500	S 12,500	0.07	0.56	6.90
1995	C 26,500	N 13,000	S 13,500	0.10	0.60	2.00
1994	C 27,500	N 14,000	S 13,500	0.10	0.60	1.30
1993	C 25,500	N 12,000	S 13,500	0.00	0.00	0.00
1992	C 26,500	N 13,000	S 13,500	0.00	0.00	0.00
1991	22,104	N 10,797	S 11,307	0.00	0.00	0.00
1990	25,879	N 12,711	S 13,168	0.00	0.00	0.00
1989	24,218	N 11,971	S 12,247	0.00	0.00	0.00
1988	27,837	N 13,768	S 14,069	0.00	0.00	0.00
1987	25,029	N 12,361	S 12,668	0.00	0.00	0.00
1986	24,329	N 11,856	S 12,473	0.00	0.00	0.00
1985	29,869	N 14,930	S 14,939	0.00	0.00	0.00
1984	18,910	N 9,620	S 9,290	0.00	0.00	0.00
1977	60,129	N 33,834	S 26,295	0.00	0.00	0.00

AADT Flags: C = Computed; E = Manual Estimate; F = First Year Est;
 S = Second Year Est; T = Third Year Est; X = Unknown

2004 Peak Season Factor Category Report

EAST-A1A TO US1

Category: 8600

MOCF = 0.85

<u>Week</u>	<u>Dates</u>	<u>SF</u>	<u>PSCF</u>
1	01/01/2004 - 01/03/2004	1.05	1.24
2	01/04/2004 - 01/10/2004	0.99	1.16
3	01/11/2004 - 01/17/2004	0.94	1.11
4	01/18/2004 - 01/24/2004	0.91	1.07
* 5	01/25/2004 - 01/31/2004	0.89	1.05
* 6	02/01/2004 - 02/07/2004	0.87	1.02
* 7	02/08/2004 - 02/14/2004	0.84	0.99
* 8	02/15/2004 - 02/21/2004	0.82	0.96
* 9	02/22/2004 - 02/28/2004	0.82	0.96
* 10	02/29/2004 - 03/06/2004	0.82	0.96
* 11	03/07/2004 - 03/13/2004	0.82	0.96
* 12	03/14/2004 - 03/20/2004	0.81	0.95
* 13	03/21/2004 - 03/27/2004	0.83	0.98
* 14	03/28/2004 - 04/03/2004	0.85	1.00
* 15	04/04/2004 - 04/10/2004	0.86	1.01
* 16	04/11/2004 - 04/17/2004	0.88	1.04
* 17	04/18/2004 - 04/24/2004	0.91	1.07
18	04/25/2004 - 05/01/2004	0.94	1.11
19	05/02/2004 - 05/08/2004	0.96	1.13
20	05/09/2004 - 05/15/2004	0.99	1.16
21	05/16/2004 - 05/22/2004	1.00	1.18
22	05/23/2004 - 05/29/2004	1.02	1.20
23	05/30/2004 - 06/05/2004	1.03	1.21
24	06/06/2004 - 06/12/2004	1.04	1.22
25	06/13/2004 - 06/19/2004	1.06	1.25
26	06/20/2004 - 06/26/2004	1.06	1.25
27	06/27/2004 - 07/03/2004	1.06	1.25
28	07/04/2004 - 07/10/2004	1.06	1.25
29	07/11/2004 - 07/17/2004	1.06	1.25
30	07/18/2004 - 07/24/2004	1.07	1.26
31	07/25/2004 - 07/31/2004	1.08	1.27
32	08/01/2004 - 08/07/2004	1.09	1.28
33	08/08/2004 - 08/14/2004	1.10	1.29
34	08/15/2004 - 08/21/2004	1.11	1.31
35	08/22/2004 - 08/28/2004	1.17	1.38
36	08/29/2004 - 09/04/2004	1.24	1.46
37	09/05/2004 - 09/11/2004	1.30	1.53
38	09/12/2004 - 09/18/2004	1.37	1.61
39	09/19/2004 - 09/25/2004	1.30	1.53
40	09/26/2004 - 10/02/2004	1.23	1.45
41	10/03/2004 - 10/09/2004	1.16	1.36
42	10/10/2004 - 10/16/2004	1.10	1.29
43	10/17/2004 - 10/23/2004	1.09	1.28
44	10/24/2004 - 10/30/2004	1.09	1.28
45	10/31/2004 - 11/06/2004	1.09	1.28
46	11/07/2004 - 11/13/2004	1.09	1.28
47	11/14/2004 - 11/20/2004	1.09	1.28
48	11/21/2004 - 11/27/2004	1.08	1.27
49	11/28/2004 - 12/04/2004	1.07	1.26
50	12/05/2004 - 12/11/2004	1.06	1.25
51	12/12/2004 - 12/18/2004	1.05	1.24
52	12/19/2004 - 12/25/2004	0.99	1.16
53	12/26/2004 - 12/31/2004	0.94	1.11