TRAFFIC IMPACT ANALYSES

BAL HARBOUR SHOPS AND CHURCH BY THE SEA PROPOSED ENHANCEMENT AND RELOCATION

May 30, 2014

FANDREI CONSULTING INC.
Traffic Engineering Services

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EXECUTIVE SUMMARY

Bal Harbour Shops is an upscale open-air shopping center in Bal Harbour, Florida. The Shops are located in the northwest quadrant of Collins Avenue/Harding Avenue and 96th Street as shown in Figure 1.

Bal Harbour Shops (BHS) presently has 472,314 square feet of gross leasable floor area (GLA). The Shops are seeking to add a total of up to 329,186 square feet of additional high end retail. Much of the increased floor area will occur within the stores of existing tenants.

Analyses of traffic flow associated with Bal Harbour Shops and of traffic flow into and out of the Village of Bal Harbour shows that the traffic moving to and from BHS represents only about 6% of the total traffic moving into and out of the Village.

Church by the Sea (CBTS) is a religious institution located within Bal Harbour Village. Church by the Sea, currently on 96th Street in the immediate vicinity of BHS, will move from its existing location to a location within the boundaries of BHS. Primary access to, and parking for, the new church building will continue to be located within the parking structure of BHS as it does today. For this reason, trips generated by CBTS continue to be subsumed into the trip generation of BHS. Moreover, services for CBTS occur during nonpeak hours and when BHS is closed.

Analyses of existing and projected traffic conditions demonstrate that the proposed enhancement plan of Bal Harbour Shops and relocation of Church by the Sea will have a positive impact to traffic operations on roadways in the area and for the residents of Bal Harbour and neighboring municipalities, including Bay Harbour Islands and Surfside.

Intersections and arterial roadways within the study area will continue to operate at Levels of Service which meet the standards established by Bal Harbour Village. Additionally, the improvements to BHS driveways on Collins Avenue and 96th Street, enhanced pedestrian crossings, improved traffic signal spacing and the traffic signal retiming proposed by Bal Harbour Shops and Church by the Sea will not only mitigate the traffic impacts of the expansion; they will provide improvement to traffic operations on the roadways within Bal Harbour Village. The results will be reductions in average delays and number of stops and reduced travel time.

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TRAFFIC IMPACT ANALYSES

BAL HARBOUR SHOPS AND CHURCH BY THE SEA
PROPOSED ENHANCEMENT AND RELOCATION

INTRODUCTION

Bal Harbour Shops is an upscale open-air shopping center in Bal Harbour, Florida. The Shops are located in the northwest quadrant of Collins Avenue/Harding Avenue and 96th Street as shown in Figure 1.

Bal Harbour Shops (BHS) currently has 472,314 square feet of gross leasable floor area. BHS is seeking to add a total of up to 329,186 square feet of additional high end retail. Much of the increased floor area will occur within the stores of existing tenants.

Church by the Sea (CBTS) is a religious institution located within Bal Harbour Village. Church by the Sea, currently on 96th Street in the immediate vicinity of BHS, will move from its existing location to a location within the boundaries of BHS. Primary access to and parking for the new church building will continue to be located within the parking structure of BHS as it does today. Therefore, trips generated by CBTS continue to be subsumed into the trip generation of BHS. Moreover, services for CBTS occur during nonpeak hours and when BHS is closed

The existing Bal Harbour Shops site plan is shown in Figure 2. The proposed site plan (Figure 3) moves the CBTS from its existing location to the Southwest corner of the modified site. Note that Bal Bay Drive will not be used for access to BHS.

This report examines any potential traffic impacts associated with the enhancement plan of Bal Harbour Shops and the relocation of Church by the Sea to the residents of Bal Harbour and the neighboring municipalities of Surfside and Bay Harbour Islands.

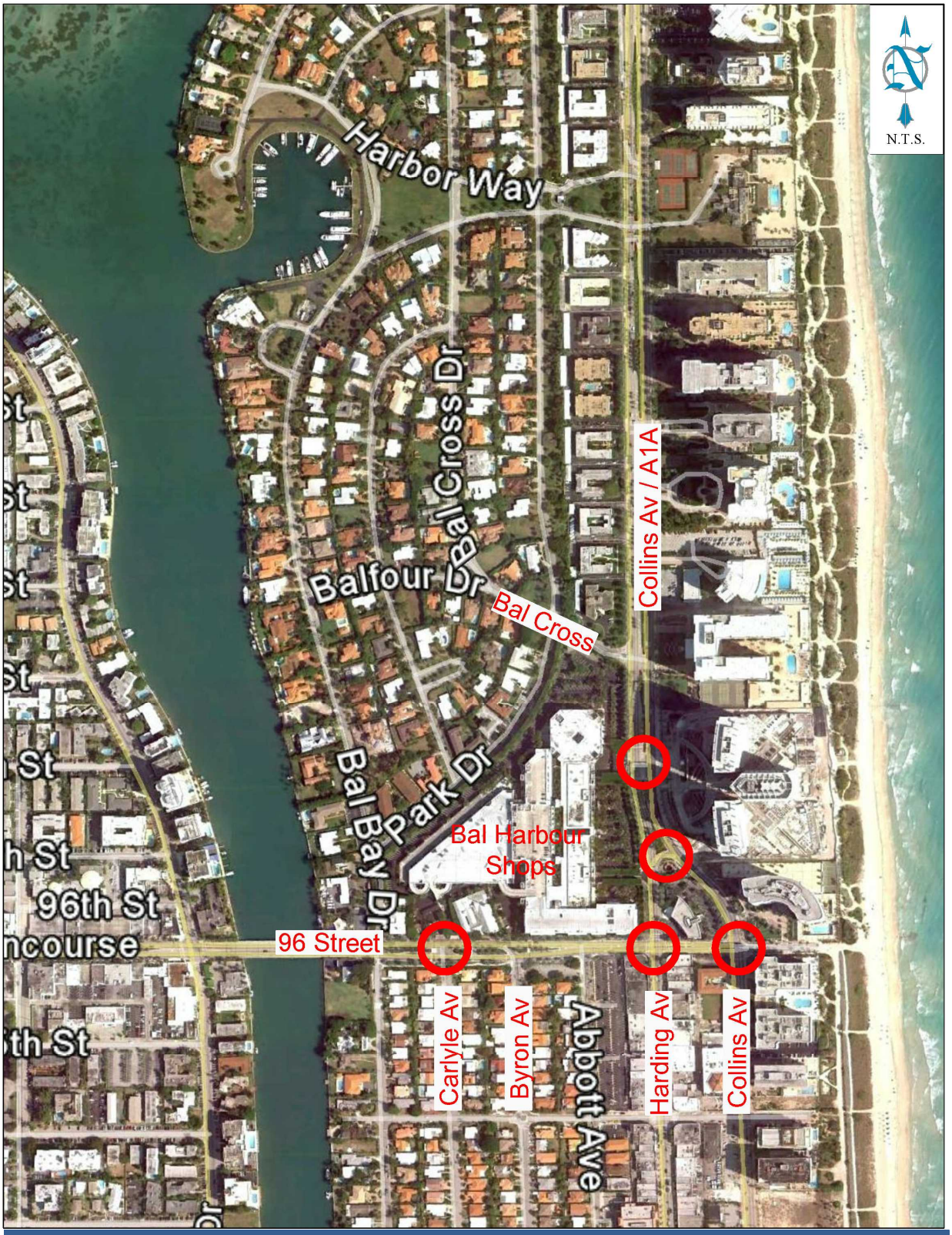


Figure 1

LOCATION MAP

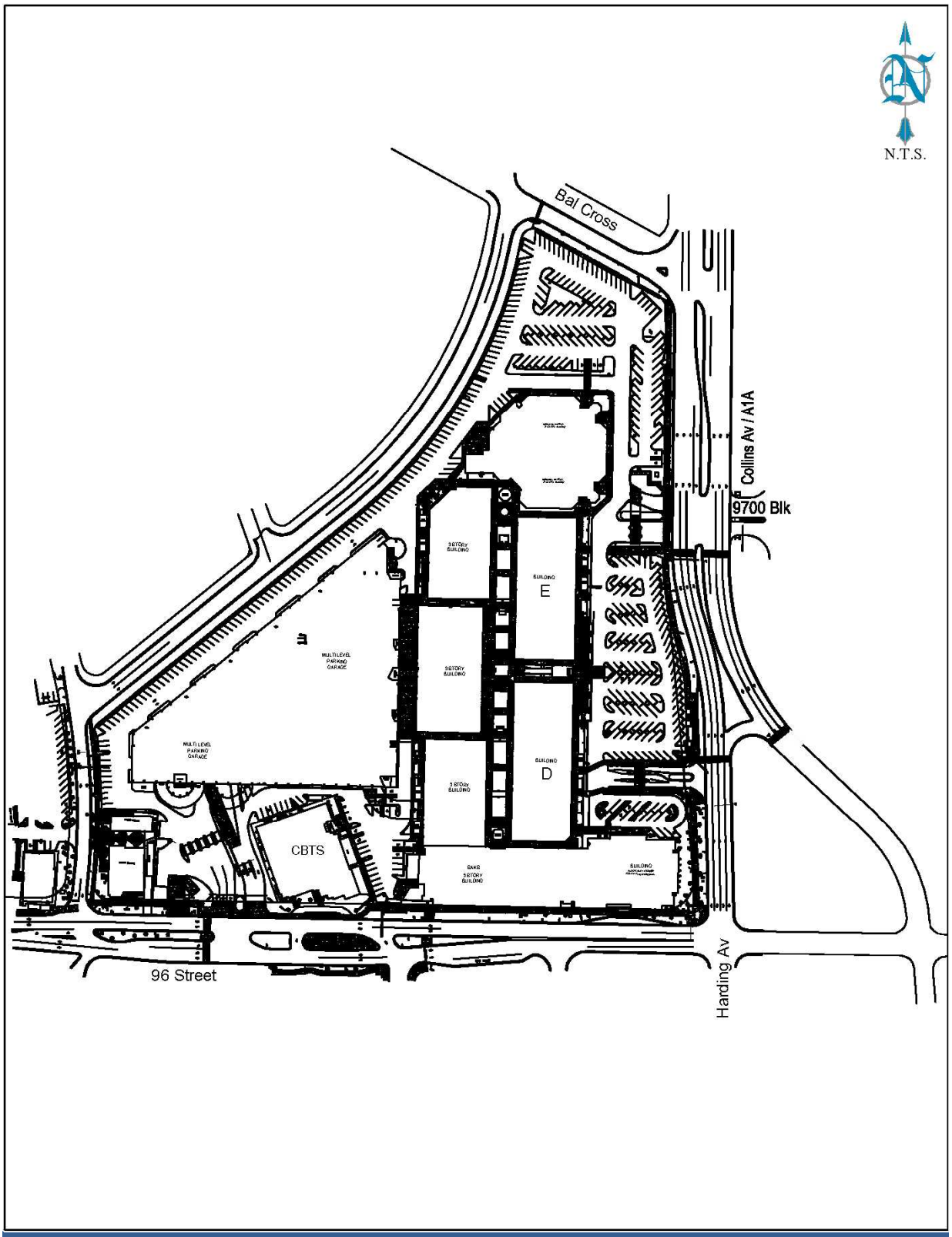


Figure 2

EXISTING SITE PLAN

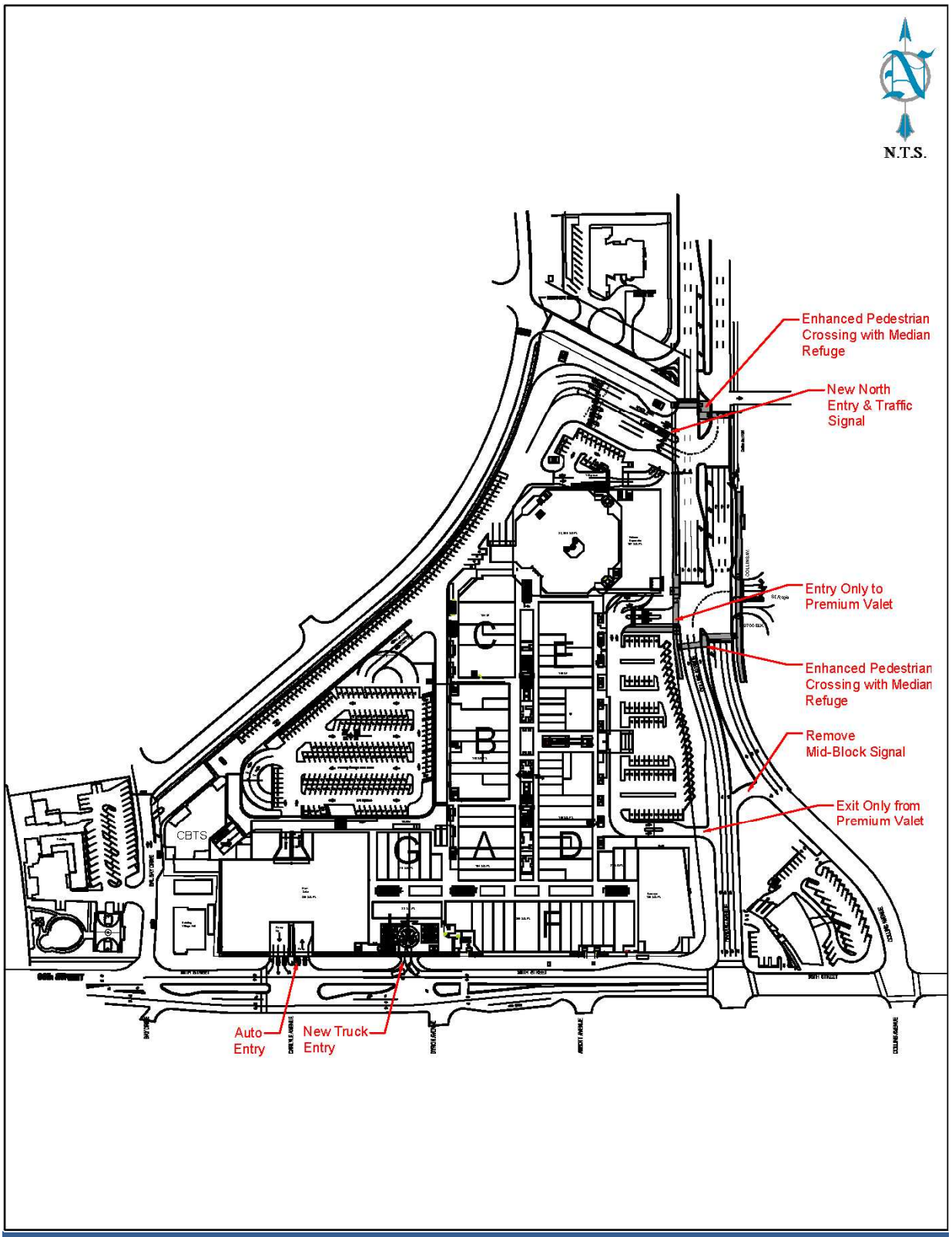


Figure 3

FUTURE SITE PLAN

EXISTING TRAFFIC CONDITIONS

The roadways studied for these analyses are 96th Street from Harding Avenue to East Bay Harbor Drive and Collins Avenue from 96th Street to the Bridge over Bakers Haulover Cut. In addition, five signalized intersections were studied. These intersections include the entry/exit driveways to Bal Harbour Shops on Collins Avenue at the 9700 Block and the BHS driveway on 96th Street at the 500 Block.

Collins Avenue (A1A) is a 6 lane divided roadway from the Bridge over Bakers Haulover Cut at the north end of Bal Harbour extending south to the traffic signal at the 9700 Block. This signal serves Bal Harbour Shops and the new St. Regis Hotel. South of this traffic signal, A1A divides into separate 3-lane, one-way roads with Harding Avenue carrying southbound traffic and Collins carrying northbound traffic. The posted speed limit is 30 miles per hour.

96th Street is a four lane divided roadway along the southern border of Bal Harbour Village. It is also adjacent to the southern portion of Bal Harbour Shops.

There are existing traffic signals on 96th Street at the Bal Harbour Shops entrance (500 Block); at Byron Avenue, east of the 500 Block; at Harding Avenue and at Collins Avenue.

There is a pedestrian crossing signal on Collins and Harding between 96th Street and the BHS/St. Regis Signal. This signal is adjacent to the BHS driveway on Harding. Lastly, as mentioned above, there is a traffic signal on Collins Avenue at the 9700 Block.

Existing traffic control, number of lanes and lane use for the intersections studied are shown in Figure 4.

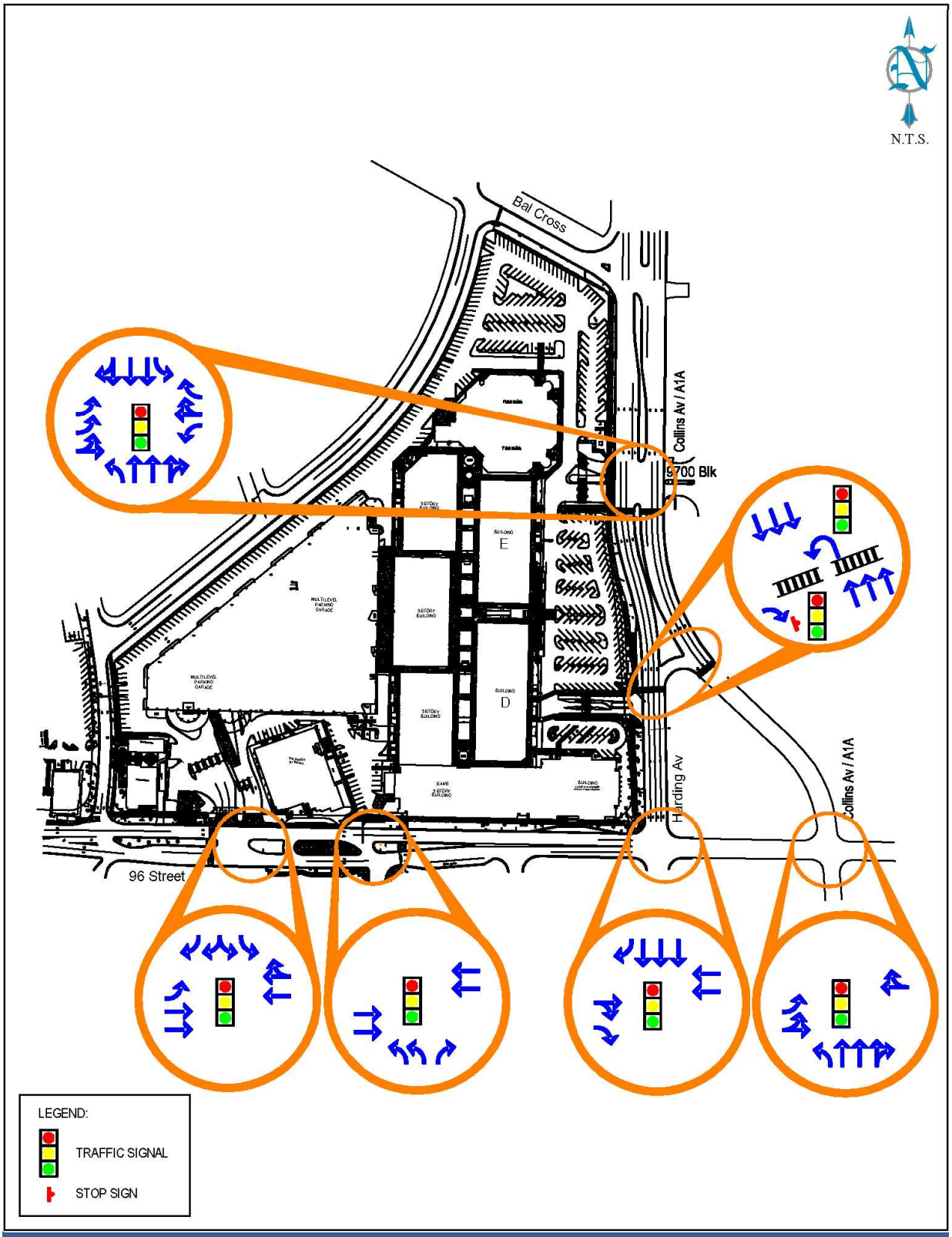


Figure 4

EXISTING INTERSECTION GEOMETRY AND CONTROL

Existing Arterial Levels of Service

Traffic count data collected for three days in March of 2014 was used to establish existing traffic conditions on Collins Avenue (FDOT Station 87-0540) and on 96th Street (FDOT Station 87-0132).

Peak Hour 2-way traffic volumes were established by averaging the peak hour flows for the days of the counts. These counts were then adjusted to peak season levels by applying FDOT adjustment factors.

FDOT Level of Service Table 4 for Peak Hour 2-way traffic volumes was used to establish Level of Service thresholds on both roadway segments. These Level of Service thresholds are based upon the number of lanes.

Existing levels of service on the study area roadways are shown in Table 1. Existing peak volumes are less than level of service thresholds and meet Village of Bal Harbour LOS standards.

Table 1 - EXISTING (2014) ARTERIAL LEVELS OF SERVICE

Station	Count Location	Limits	Lanes	LOS Std	March 2014 Pk Hr	Peak Sea Adj Factor	2014 Pk Sea Pk Hr	Ser Vol	**Existing LOS**
96 Street									
132	W/o Harding	Harding to Toll Plaza	4 LD	D	1,973	1.00	1,973	2,920	**D**
Collins Avenue									
540	S/o Bridge	96 St to Haulover Br.	6 LD	D	3,902	1.00	3,902	4,500	**D**

Source: March 2014 Count & FDOT Generalized LOS Table 4 for 2012

Existing Intersection Levels of Service

These intersections were studied for this report:

96th Street & the Bal Harbour Shops south entrance (500 Block),
96th Street & Byron Avenue,
Harding Avenue & 96th Street,
Collins Avenue & 96th Street, and
Collins Avenue & the 9700 Block (BHS and St. Regis Driveways)

Turning movement counts were collected between 4:00 and 7:00 p.m. at these intersections in February, 2014. The afternoon peak hour for these roadways was found to be 5:00 to 6:00 p.m.

These traffic volumes were converted to peak season volumes using FDOT seasonal adjustment factors for background traffic and historical data from BHS for the traffic entering and leaving the Shops.

Daily parking volumes at BHS by month for a full year were studied to determine the variation in the daily number of vehicles parked by month. These parking volumes were used to develop seasonal adjustment factors for vehicles entering and exiting BHS. These BHS factors were then used to convert the driveway traffic into and out of BHS to traffic volumes consistent with the peak season for BHS traffic. Peak season volumes, for purposes of these analyses, represent BHS traffic during January, February and March.

FDOT adjustment factors are included in Appendix C and the development of the seasonal factors for Bal Harbour Shops traffic is found in Appendix D.

Existing peak season traffic in the study area is shown in Figure 5 and the distribution of existing BHS traffic is shown in Figure 6.

Development of peak season turning movement volumes at the intersections studied for these analyses is shown in Table 5 later in this report.

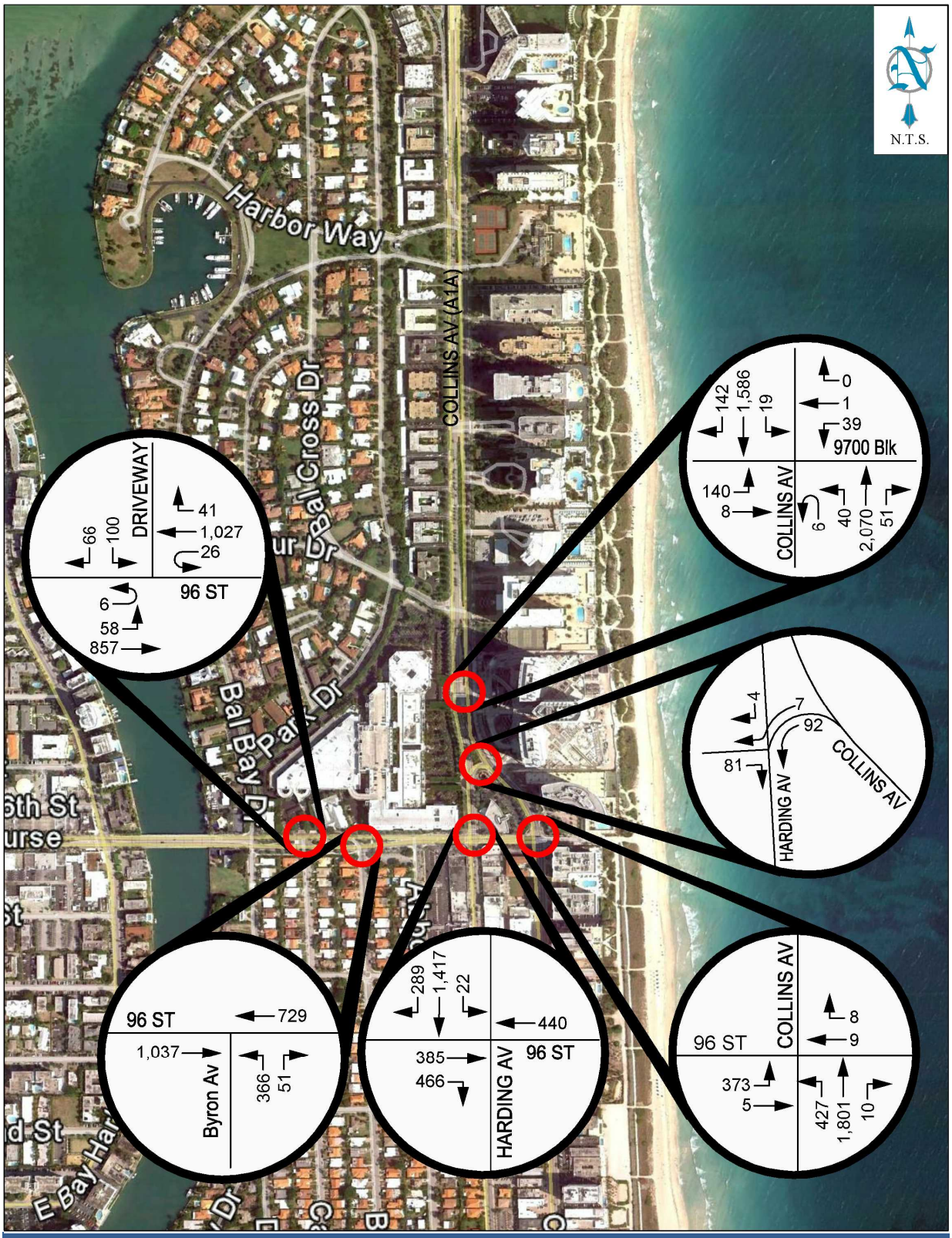


Figure 5

EXISTING PEAK SEASON TRAFFIC VOLUMES

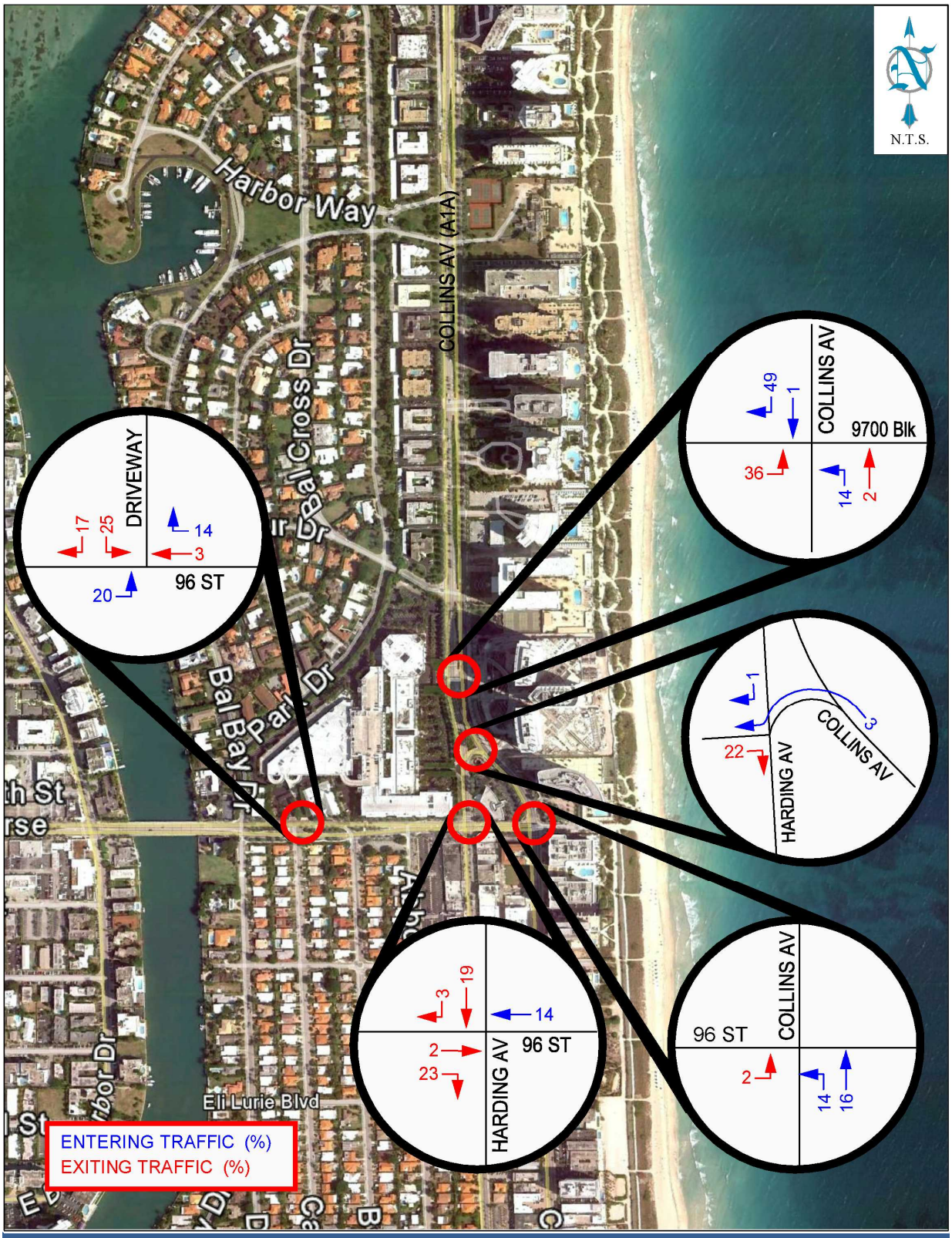


Figure 6

EXISTING DISTRIBUTION OF BHS TRAFFIC

Levels of Service at the intersections studied for these analyses were calculated using the procedures described in the 2010 Highway Capacity Manual. The analyses use existing peak season traffic flows and traffic signal timing information for the signalized intersections in the study area.

The results of these analyses are summarized in Table 2. Printouts describing the capacity analyses are contained in Appendix L.

Table 2 - EXISTING INTERSECTION LEVELS OF SERVICE

Location	PM Peak Hour Existing Peak Season*
Collins Ave & 9700 Block	B/14.9
Collins Avenue & 96th Street	D/45.2
Harding Avenue & 96th Street	C/32.7
96th Street & Byron Avenue	A/4.9
96th Street & S. Mall Entrance	A/5.9

* LOS/Ave. delay in sec.

FCI May 2014

ALTERNATIVE MODES OF TRANSPORTATION

The primary mode of travel to and from Bal Harbour Shops is, and will continue to be, by private automobile. There are, however, other options for people to use for accessing Bal Harbour Shops. These options include walking, bicycling and public transit. These alternate travel modes are discussed below.

PEDESTRIAN ACCESS

There are continuous sidewalks bordering BHS along 96th Street, Collins Avenue and Harding Avenue. The walking experience will be improved as part of the new landscaping plan which will include and be implemented with the enhancements to the Shops.

There are crosswalks at all signals adjacent to the Shops. These crosswalks, however, are currently only available along the southern portion of BHS. There is no signalized pedestrian crossing between the signal at 9700 Collins and the signal at Harbour Way.

Crossing A1A, which is very wide, can be a time consuming and tiring experience for children, the elderly and people with mobility problems. The time required for crossing A1A on a single pedestrian phase also creates inefficiencies in the signal operation.

BHS will address these problems by 1) converting the crosswalk at 9700 Collins (the driveway opposite the St. Regis) to a Two Stage Pedestrian Crossing with a pedestrian refuge in the median and 2) providing a Two Stage Pedestrian Crossing at the new signalized BHS drive to be constructed on the Northern boundary of the Shops (just South of Bal Cross).

The Two Stage Crossing allows the pedestrian to wait in the median and then complete the crossing of Collins without a long wait. The operation of the enhanced (two stage) crossing at the 9700 signal is shown in Figure 7.

BICYCLES

Collins, Harding and 96th Street were recently restriped with 'Share Lane' markings in the curb lanes to encourage safe operation of both bicycles and automobiles.

Bal Harbour Shops has bicycle racks and these racks are heavily used. The Shops will work with their tenants to provide for additional secure and easily accessed bicycle storage within the enhanced site.

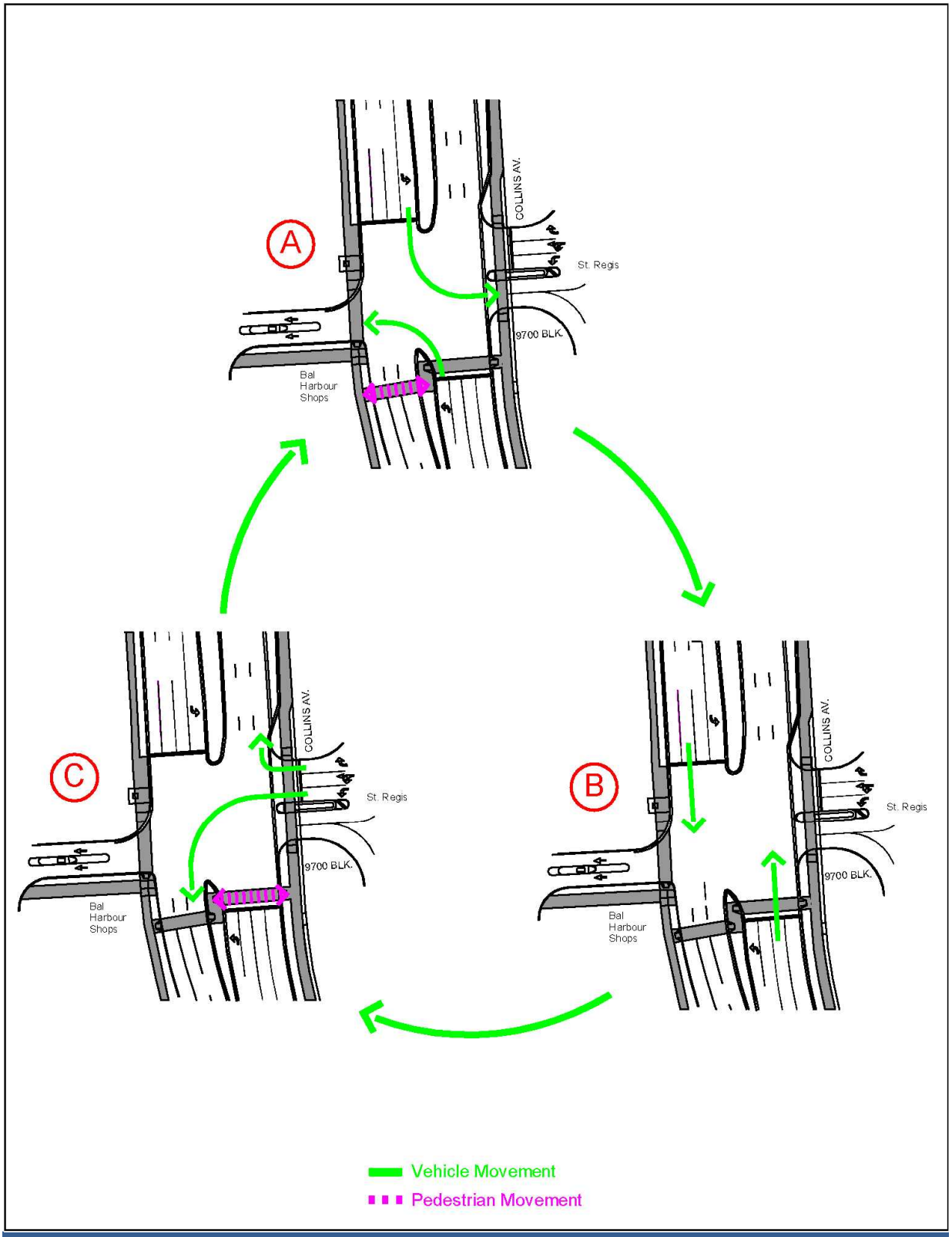
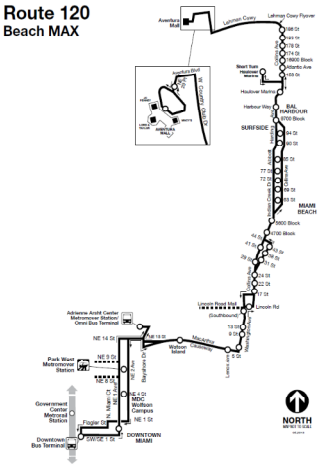


Figure 7
ENHANCED (2 STAGE) PEDESTRIAN CROSSING

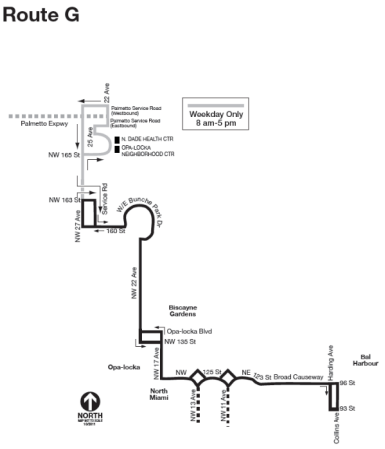
TRANSIT SERVICE

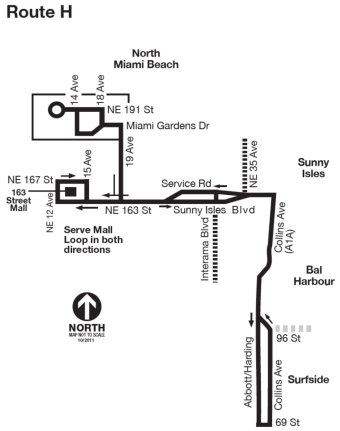
Bal Harbour Shops and Church by the Sea are well served by bus routes which connect to the rest of the island as well as to the rest of Miami-Dade County. The routes, shown on Figure 8 are 120, H and S on Collins & Harding and Route G on 96th Street. All of the routes are operated by Miami-Dade Transit. The Village of Bal Harbour also provides "The Bal Harbour Express" which is a minibus service serving Bal Harbour, Aventura and Bay Harbour. The routes and their frequency of service are as follows:



Route 120/Beach MAX provides North-South service on Collins and Harding Avenues. Route 120 connects Aventura with Downtown Miami via A1A and the Lehman and MacArthur Causeways. Route 120 buses run at headways of 12 minutes in both the northbound and southbound directions during the afternoon peak period. Route S buses also provide North-South service on Collins and Harding Avenues. Route S is similar to Route 120, connecting Aventura with Downtown Miami using A1A and the Lehman and MacArthur Causeways.

Route G provides East-West service on 96th Street. Route G connects Bal Harbour and Surfside with NW Miami-Dade via 96th Street and NE/NW125th Street. Route G buses run at headways averaging 26 minutes in both the eastbound and the westbound directions during the afternoon peak period.





Route H provides North-South service on Collins and Harding Avenues in the vicinity of Bal Harbour. Route H connects Bal Harbour and Surfside with North Miami Beach via Collins/Harding and the Sunny Isles Causeway. Route H buses run at headways of 25 minutes in both the northbound and the southbound directions during the afternoon peak period.

The Bal Harbour Express is a minibus service provided by the Village of Bal Harbour connecting Bal Harbour, Bay Harbor, Surfside, Sunny Isles and Aventura. It runs at headways ranging from 1 hour & 20 minutes to 2 hours.

There are several bus stops in the area including one on Harding and one on 96th Street, adjacent to Bal Harbour Shops. All of these bus stops have shelters and two of them have bus bays. There also is a bus stop on 96th Street, just West of BHS in front of the existing Village Hall. There are bus stops on the South side of 96th Street and the East side of Collins opposite Bal Harbour Shops.

Route maps and schedule information for each of the Metrobus routes is provided in Appendix E. The Metrobus routes and bus stop locations are shown below.

Figure 8
TRANSIT ROUTES IN STUDY AREA

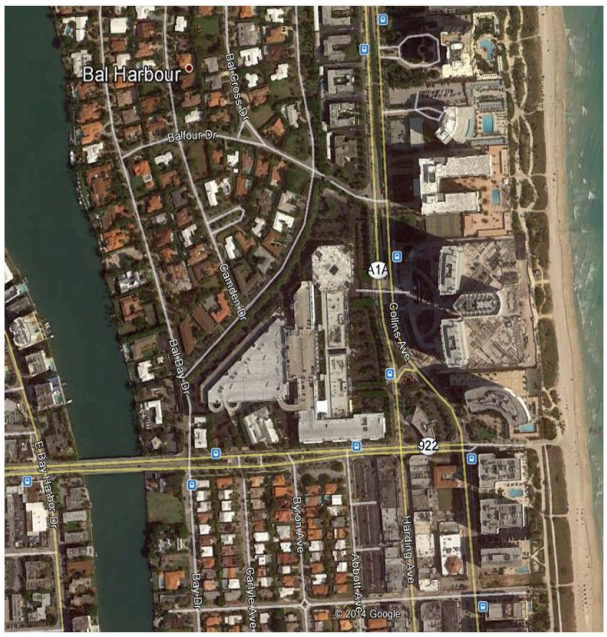


Figure 9
BUS STOPS LOCATIONS

PLANNED IMPROVEMENTS

Bal Harbour Shops and Church by the Sea propose several improvements on Collins and Harding Avenues and on 96th Street which will improve access to and from BHS and CBTS. These improvements will also provide for improved traffic flow to through traffic on Collins, Harding and 96th Street. The improvements are:

- Construct a new signalized driveway at the North end of BHS to handle the traffic currently using the drives on Collins and Harding. This driveway is designed to eliminate backups which interfere with traffic flow on Collins Avenue.

- Reconstruct the BHS driveway on 96th Street to provide access to the enhanced Shops. This revised driveway is also designed to eliminate any potential for backups which could interfere with traffic flow on 96th Street.

- Convert the existing drive opposite the St. Regis into an Entry Only drive for Premium Valet Parking.

- Convert the secondary driveway adjacent to the pedestrian crossing signal just north of 96th Street to an Exit Only drive for the Premium Valet parking.

- Replace the existing crosswalks on A1A at the 9700 Block and at the mid block signal just North of 96th Street with enhanced (2 stage) crosswalks at the 9700 Block and at the new driveway at the northern end of BHS.

- Remove the mid block pedestrian signal on Collins/Harding just north of 96th Street. It does not meet pedestrian signal warrants and there are nearby crosswalks at 96th Street and an enhanced crossing at the 9700 Block (St Regis signal).

- Build a new loading area and driveway on 96th Street at Byron to handle truck traffic.

- Develop new traffic signal coordination plans (retiming) to address the improved signal spacing and other changes to the street network and optimize signal operations.

These improvements are described in more detail below.

Bal Harbour Shops proposes to close the existing driveway on Collins opposite the St. Regis Hotel and replace it with a new driveway to be constructed at the northern end of the Shops. This new driveway will have 2 entry lanes and 3 exit lanes at Collins. It will handle the traffic currently using the existing main driveway on Collins Avenue at the 9700 Block and the secondary driveway adjacent to the pedestrian crossing just north of 96th Street.

This new driveway will better accommodate traffic into and out of Bal Harbour Shops. It will have more lanes and a significant increase in throat length when compared to the existing main driveway on Collins at 9700 as shown in Figure 10. This change will improve the efficiency of the exit drive to eliminate backups from the entry gates onto Collins Avenue.

This new driveway and the reconstructed driveway on 96th Street are designed with the capacity to accommodate the maximum demand (highest day) in December. Each driveway will have minimal queuing (backups) even on the busiest day of the December holiday period.

Currently a BHS patron who wishes to exit to the north or south on A1A must move through the parking lot at the north end of BHS, and then turn south toward the main drive. If the driver wishes to go north they must retrace their path and exit through the main drive. However, right turns are prohibited at the main drive so, if the driver wishes to go to the south, they must continue through the parking area and exit through the secondary driveway just north of 96th Street. These exit paths are shown in Figure 11.

The new driveway at the North end of the Shops will alleviate much of this awkward on site travel and provide a far more convenient path to Collins Avenue for drivers heading to the north and to the south as shown in Figure 12. This improvement will better accommodate traffic flow at the entrances to BHS and reduce the number of drivers who potentially would divert to 96th Street if there was no improvement.

The new signal on Collins Avenue at the proposed North driveway will meet traffic signal warrant requirements. A brief warrant analysis is included in Appendix K.

The existing drive at the 9700 Block (opposite the St. Regis) will be converted into an Entry Only drive for Premium Valet. Eliminating the exit movement will simplify the signal phasing (which currently includes an East-West split phase) and increase green time for the North-South through traffic.

BHS will convert the secondary drive, near the existing pedestrian signal, to Exit Only for the Premium Valet parking.

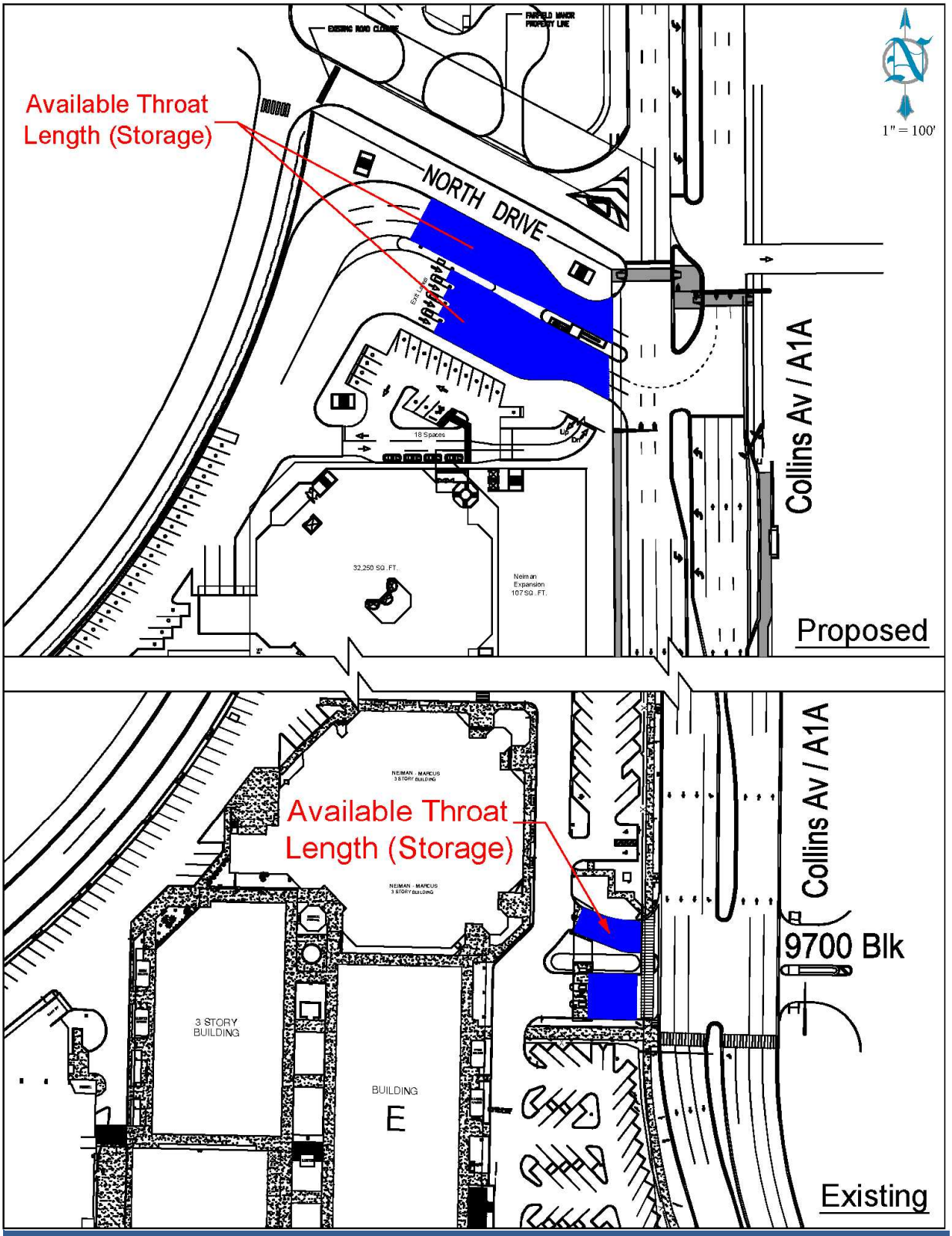


Figure 10

DRIVEWAY THROAT LENGTHS

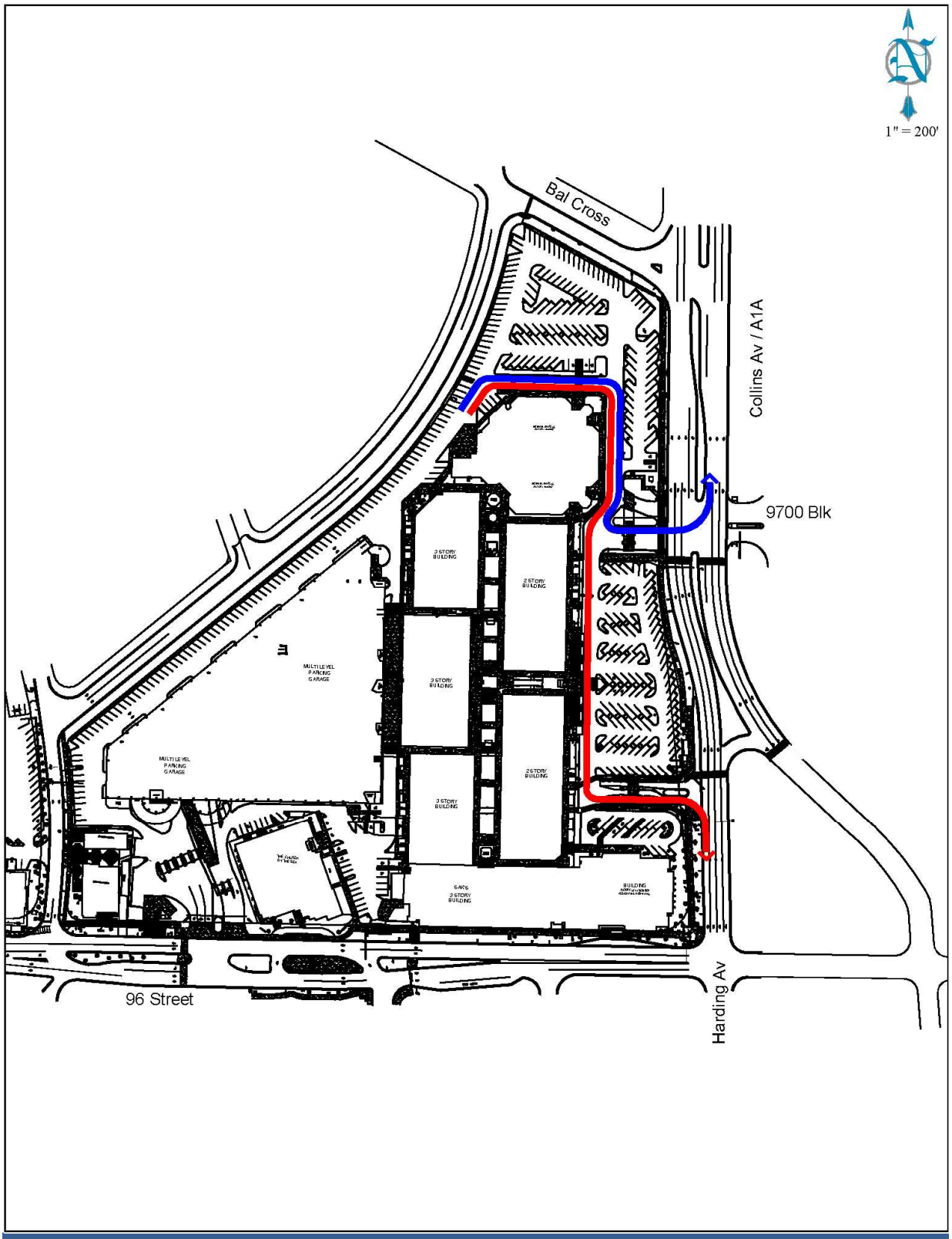


Figure 11

EXISTING EXIT PATHS

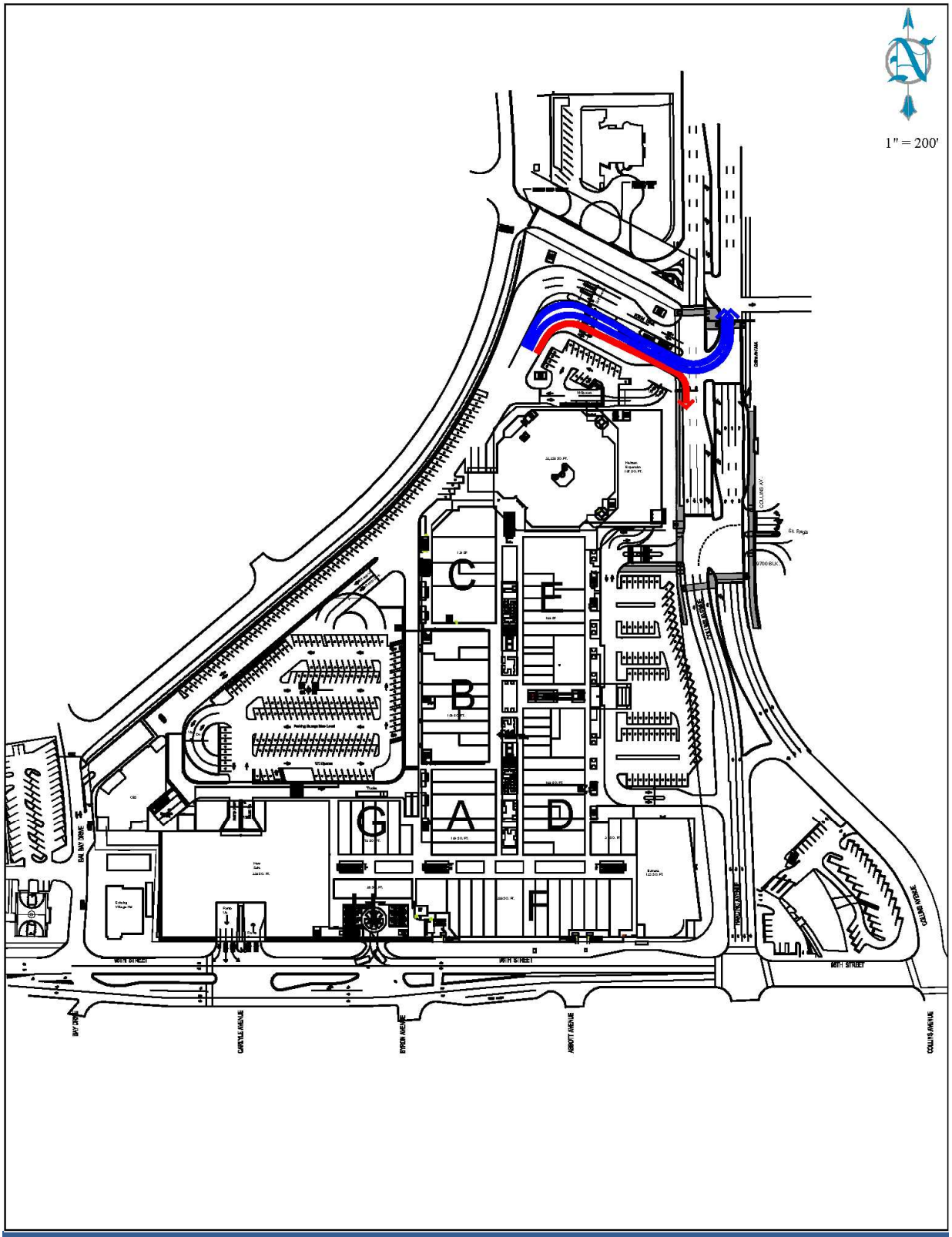


Figure 12

NEW EXIT PATHS TO A1A

It is proposed that the existing mid block pedestrian signal, just north of 96th Street, be removed. The crossing opportunity it provides is effectively replaced by the enhanced pedestrian crossing at the new North driveway. The new crossing provides much better signalized crosswalk spacing than the current arrangement which crowds several crossings at and near to 96th Street, but with no other crossing between the 9700 Block and Harbour Way.

The mid-block pedestrian crossing signal was originally constructed to service the Sheraton Hotel formerly on the site of the new, and smaller, St. Regis Hotel. This mid block signal no longer handles the volume of pedestrians needed to meet national standards (warrants) for the installation and operation of pedestrian signals. Furthermore, this pedestrian signal interferes with traffic signal progression on northbound Collins Avenue and southbound Harding. The few pedestrians who use this crossing will be able to cross A1A at nearby signals on 96th Street or at the 9700 Block after the change is made.

Pedestrian counts at this location are compared to traffic signal warrant requirements for pedestrian signals in Appendix K of this report.

This removal, along with moving the main Bal Harbour Shops driveway on Collins Avenue to the North end of BHS, will increase traffic signal spacing on A1A in the area. The increased traffic signal spacing along with the improved North-South green time at the 9700 Block signal and the efficiencies associated with the enhanced pedestrian crossings will allow for a significant improvement in signal progression and improved traffic flow in the area.

Currently, trucks enter BHS through the driveway on 96th Street. Some of the larger trucks must maneuver in and out of the existing drive before unloading because of current space restrictions at the driveway. These maneuvers sometimes interfere with traffic on 96th Street. Bal Harbour Shops will be constructing a new loading area and access drive on 96th Street opposite Byron. The new drive and the loading area which it serves will eliminate the interference to 96th Street traffic caused by the truck maneuvers at the existing driveway.

Intersection geometry and control which will exist after the changes described above are implemented is shown in Figure 13.

It is recommended that traffic signals on Collins and Harding Avenues and on 96th Street be retimed after the intersection changes listed above have been implemented. The new and optimized signal timing will take advantage of the efficiencies provided by the intersection changes listed above. This increase in efficiency will benefit all drivers on these roadways, not just BHS patrons. This retiming can be accomplished by Miami-Dade County or it can be performed, in coordination with the County, by Bal Harbour Shops' traffic engineering consultant.

The proposed improvements will allow Bal Harbour Shops and CBTS to effectively mitigate any potential impacts of the enhancement and relocation plan on residents of Bal Harbour or the neighboring municipalities and will provide for a reduction in vehicle delay and fewer stops on Collins, Harding and 96th Street. The analyses of traffic conditions with traffic improvements in place after the enhancements to the Shops have been made are described later in this report.

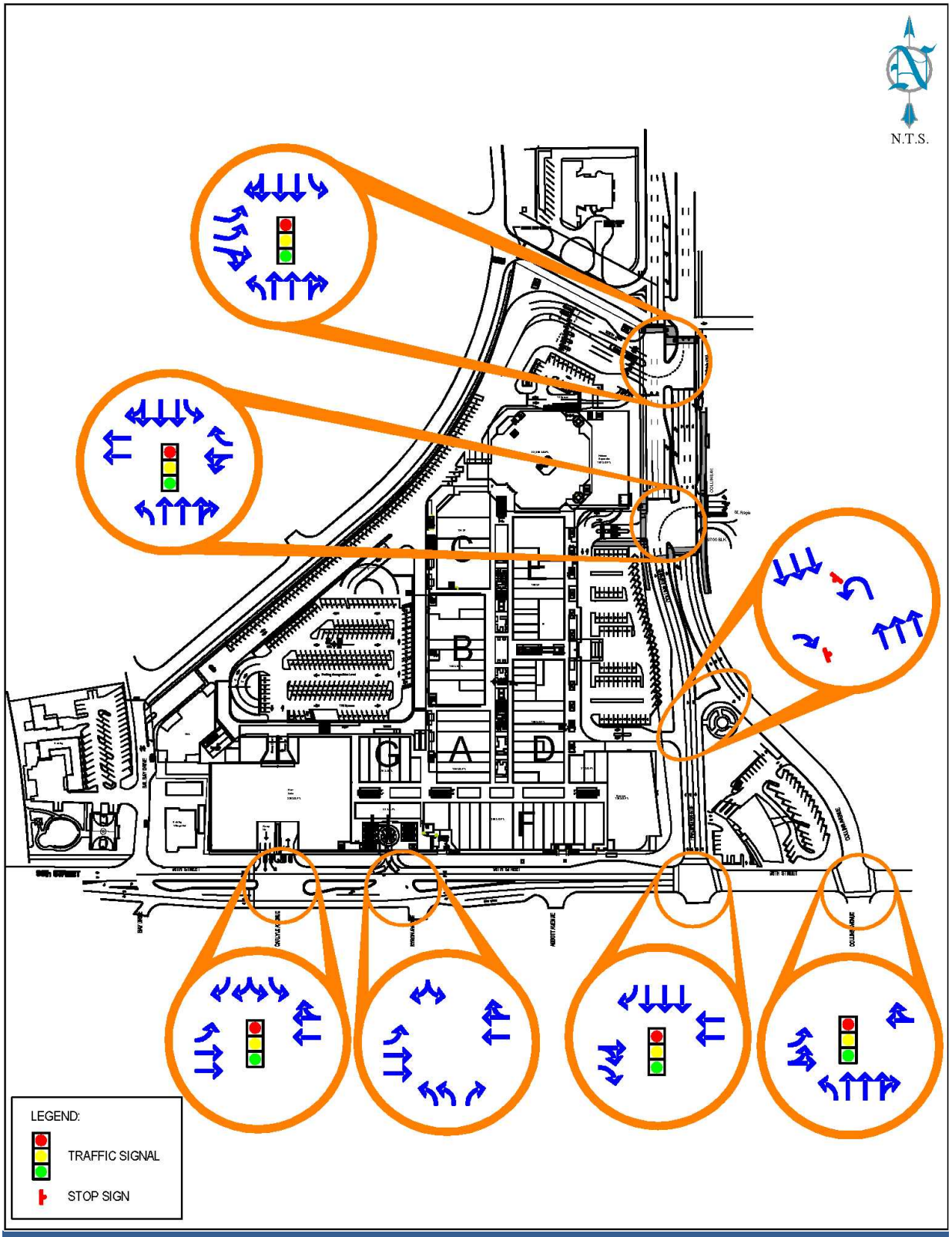


Figure 13
TRAFFIC CONTROL, LANES & LANE USE WITH THE ENHANCED BHS

TRIP GENERATION AND DISTRIBUTION

The trip generation associated with Bal Harbour Shops was established using data from counts on the driveways providing entry to and exit from the Shops. These counts were performed for several days during the peak season in February of 2014.

Traffic into and out of BHS from Tuesday through Thursday was averaged by hour for these three days. Peak flow during the 4:00 to 6:00 p.m. weekday peak period was found to occur from 5:00 to 6:00 p.m. These entry and exit volumes were then converted to average conditions and to peak season levels. To do this, Bal Harbour Shops' daily parking records for each month of 2013 were used to calculate factors which were used to adjust the February counts to reflect average conditions and peak season levels for the traffic volumes into and out of BHS.

The peak season was defined as the average number of cars per day from January through March. Appendix D contains backup data used to develop the seasonal information for BHS.

Table 3 - TRIP GENERATION FOR BAL HARBOUR SHOPS

Driveway Volumes (P.M. Peak Hour between 4-6 p.m.)				
	Data Counted Feb. 2014	Yearly Average (f=0.90)	Adjust to Peak Sea. (f=1.02)	Direc-tional Dist'n
Enter	*285*	256	291	43%
Exit	*374*	337	381	57%
Total	*659*	**593**	**672**	
Size of BHS = 472.314 ksf (gross leasable area)				
Trip Generation Rate for **BHS** (Average Conditions) =				
1.26 trips per 1000 sq. ft. of Gross Leasable Area				

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Equations developed by the Institute of Transportation Engineers (ITE), based upon data collected at hundreds of locations, show that the rate of traffic into and out of mixed retail (shopping centers) reduces as the size of the development increases. For example, if we compare traffic into and out of a 500,000 sq. ft shopping center to traffic at a 1,000,000 sq. ft. center we find that, although the larger center is twice the size of the smaller one, the traffic increases by 59% (i.e., less than twice as much).

These ITE equations were used to establish the change in traffic demand associated with an increase from the gross leasable floor area for the existing BHS to floor area which will exist after the enhancements are in place at Bal Harbour Shops. The results of these calculations are summarized in Table 4[1].

Table 4 - PM PEAK HOUR TRIPS FOR BAL HARBOUR SHOPS WITH ENHANCEMENTS

	Size	Units	Enter	Exit	Total
Average Conditions					
Retail (Trips to/from Existing)	472.314	ksf	256	337	593
Exist. + Enhancements[1] (Trips from Exist x 1.4254[2])	801.500	ksf	365	480	845
Net Increase in PM Pk Hr Trips (Enhancements)			**109**	**143**	**252**
Peak Season Volumes					
Retail (Existing)	472.314	ksf	291	381	672
Exist. + Enhancements[1] (Exist. Trips x 1.4254 [2])	801.500	ksf	414	544	958
Net Increase in PM Pk Hr Trips (Enhancements)			**123**	**163**	**286**

[1] Actual Size = 797.408. The 801.5 is an assumed value used for these conservative calculations

[2] % Change in Trips Generated when comparing 801.5 ksf to 472.314 ksf is 142.54%

based upon ITE Equations for mixed retail (Shopping Centers, LUC 820) - see Appendix H

Source: BHS Driveway Counts Feb 2014 & ITE Trip Generation, 9th Ed.

Distribution of Bal Harbour Shops Traffic

The distribution of traffic to and from Bal Harbour Shops after the enhancements are completed will be similar to, but not exactly the same as the current distribution. The existing distribution has been modified to address the changes in BHS driveways. It also has been modified to reflect a slight change in the distribution of trips to and from this area between 2014 and the year 2020. The distributions of trips were developed by the Metropolitan Planning Organization (MPO). The MPO cardinal distribution information is provided in Appendix H.

The percentage distribution of BHS trips on local roadways in 2020 is shown in Figure 14.

[1] The primary ingress and egress for CBTS is the existing driveways for BHS. Parking for CBTS occurs primarily within the BHS parking garage. In addition, CBTS services occur during non peak hours and when BHS is closed. Accordingly the trip generation for BHS includes CBTS.

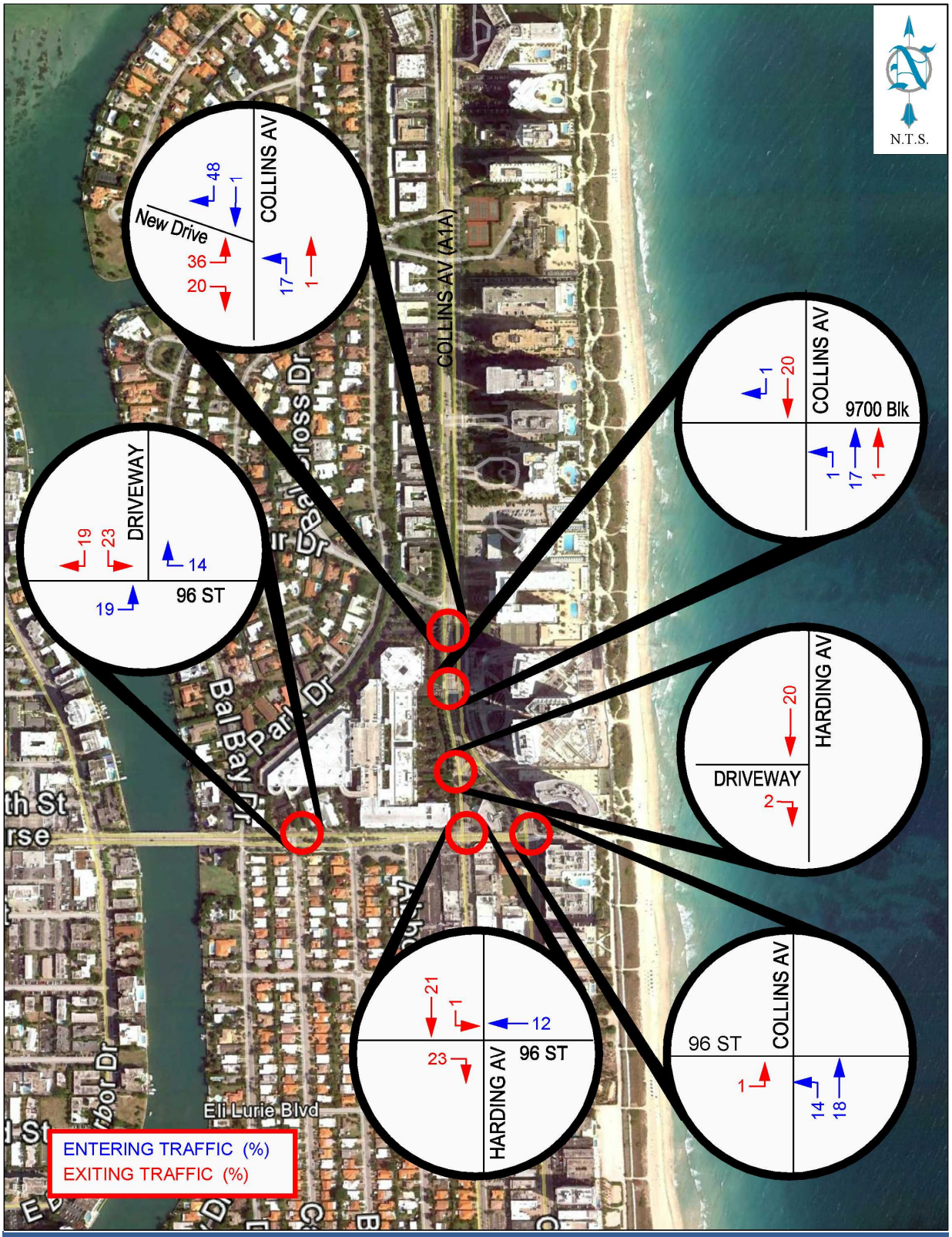

Figure 14
DISTRIBUTION OF BAL HARBOUR SHOPS TRIPS IN 2020

BAL HARBOUR SHOPS TRIP GENERATION COMPARED TO NATIONAL VALUES

The Institute of Transportation Engineers (ITE) collects data on traffic demand for a large number of land uses. This traffic demand is also referred to as Trip Generation. One of the most complete sets of data is for shopping centers.

ITE has extensive data comparing the number of trips generated by shopping centers to the Gross Leasable Area (GLA) of the shopping centers. ITE has developed equations based upon hundreds of studies at Shopping Centers throughout the U.S. The ITE Trip Generation values for typical weekdays at Shopping Centers equal in size to BHS are:

Daily Trip Generation: 18,628 trips
Afternoon Peak Hour: 1,695 trips

Bal Harbour Shops, however, is not a typical shopping center. It is a unique collection of high end retail merchants. It has 472,314 square feet of GLA. Bal Harbour Shops generates:

Daily Trip Generation: 7,400 trips (40% of ITE projections)
Afternoon Peak Hour: 593 trips (35% of ITE projections)

Bal Harbour Shops clearly generates far less traffic than a typical shopping center of similar size.

BAL HARBOUR SHOPS TRAFFIC COMPARED TO TOTAL TRAFFIC INTO AND OUT OF THE VILLAGE OF BAL HARBOUR

The total number of vehicles both entering and leaving the Village of Bal Harbour was counted during the same time period that BHS driveway traffic was measured. This was done with a Cordon Count consisting of counts on Collins Avenue on the Haulover Bridge, on 96th Street on the Bridge over the Intercoastal, on Collins, South of 96th Street and on Harding, South of 96th Street. These volumes were adjusted to average weekday conditions using FDOT seasonal adjustment factors. The resulting average weekday volumes are as follows:

118,160 vehicles per day (59,080 entering and 59,080 exiting)
9,185 vehicles per hour (4,478 entering and 4,707 exiting)

As stated earlier, Bal Harbour Shops generates:

7,400 trips per day
593 trips during the afternoon peak hour

When we compare the existing traffic volumes entering and leaving Bal Harbour Shops to total traffic into and out of the Village of Bal Harbour, we find that BHS traffic represents only 6% of the total daily traffic, and only 6% of the p.m. peak hour traffic entering and exiting the Village on a typical weekday.

FUTURE TRAFFIC CONDITIONS

The Bal Harbour Shops enhancements are projected for completion in 2019. These analyses conservatively estimate that the enhancements will be completed and open by 2020. In other words, background (non BHS) traffic was increased to 2020 levels and added to the traffic associated with the enhanced Shops.

A review of traffic count records from FDOT for the past several years suggests negative growth on Collins Avenue and a growth rate of less than 0.5% per year on 96th Street. The analyses described in this report, however, conservatively assume background traffic will grow at a rate of 1% per year. To this assumed background growth, we have added traffic for the Consulatio Condominium project on Collins Avenue at Harbour Way. It is also our understanding that a preschool with up to 225 students may be opened in Surfside. Traffic flow for this proposed preschool has been estimated and added to the 2020 background traffic for these analyses.

The development of existing and projected peak season turning movement volumes, including adjustments to background traffic and adjustments to BHS traffic, is shown in Table 5 and traffic volumes projected to 2020 within the study area are shown graphically in Figure 15.

Table 5 - TURNING MOVEMENT COUNT DATA FOR P.M. PEAK HOUR

Intersection	Mvmt	a Count	b Feb 2014 BHS Traf	c a-b Feb B'gnd Traffic	d PSCF B'gnd Traffic	e c*d Pk Sea B'gnd Traffic	f PSCF BHS Traffic	g b*f Pk Sea BHS Traffic	h e+g **2014 Pk Sea Traffic**	i B'gnd Growth 2020	j e*i B'gnd Traffic 2020	k Con-su-latio	l Surf-Side Pre Sch	m 2020 BHS Traf	n j+k+l+m **Pk Sea 2020 W/Expn**
Collins Ave & New N. Drive (Feb. count is at Bal Cross) *2/18/2014*	NBUT	12	0	12	0.99	12	1.02	0	**12**	1.06	13	0	0	0	**13**
	NBL	4	0	4	0.99	4	1.02	0	**4**	0.00	0	0	0	62	**62**
	NBT	2,087	147	1,940	0.99	1,921	1.02	150	**2071**	1.06	2,036	62	9	5	**2,112**
	NBR	4	0	4	0.99	4	1.02	0	**4**	1.00	4	0	0	0	**4**
	SBUT	16	0	16	0.99	16	1.02	0	**16**	1.06	17	0	0	0	**17**
	SBL	9	0	9	0.99	9	1.02	0	**9**	1.00	9	0	0	0	**9**
	SBT	1,675	143	1,532	0.99	1,517	1.02	146	**1663**	1.06	1,608	34	7	4	**1,653**
	SBR	3	0	3	0.99	3	1.02	0	**3**	0.00	0	0	0	175	**175**
	EBL	0	0	0	0.99	0	1.02	0	**0**	0.00	0	0	0	173	**173**
	EBR	1	0	1	0.99	1	1.02	0	**1**	0.00	0	0	0	96	**96**
Collins Ave & 9700 Block *2/20/2014*	NBUT	6	0	6	0.99	6	1.02	0	**6**	1.06	6	0	0	0	**6**
	NBL	39	39	0	0.99	0	1.02	40	**40**	1.00	0	0	0	4	**4**
	NBT	2,091	10	2,081	0.99	2,060	1.02	10	**2070**	1.06	2,184	62	9	62	**2,317**
	NBR	52	0	52	0.99	51	1.02	0	**51**	1.00	51	0	0	0	**51**
	SBUT	0	0	0	0.99	0	1.02	0	**0**	1.06	0	0	0	0	**0**
	SBL	19	0	19	0.99	19	1.02	0	**19**	1.00	19	0	0	0	**19**
	SBT	1,602	4	1,598	0.99	1,582	1.02	4	**1586**	1.06	1,677	34	7	96	**1,814**
	SBR	139	139	0	0.99	0	1.02	142	**142**	1.00	0	0	0	4	**4**
	EBL	137	137	0	0.99	0	1.02	140	**140**	1.00	0	0	0	0	**0**
	EBT	8	8	0	0.99	0	1.02	8	**8**	1.00	0	0	0	0	**0**
	EBR*	0	0	0	0.99	0	1.02	0	**0**	1.00	0	0	0	0	**0**
	WBL	39	0	39	0.99	39	1.02	0	**39**	1.00	39	0	0	0	**39**
	WBT	1	1	0	0.99	0	1.02	1	**1**	1.00	0	0	0	0	**0**
	WBR	0	0	0	0.99	0	1.02	0	**0**	1.00	0	0	0	0	**0**
Harding Ave & S BHS Dr *2/20/2014*	SBR	4	4	0	0.99	0	1.02	4	**4**	1.00	0	0	0	0	**0**
	EBR*	79	79	0	0.99	0	1.02	81	**81**	1.00	0	0	0	10	**10**
	WBL	93	0	93	0.99	92	1.02	0	**92**	1.06	98	0	0	0	**98**
	WBT	7	7	0	0.99	0	1.02	7	**7**	0.00	0	0	0	0	**0**
Collins Ave & 96 Street *2/20/2014*	NBL	430	26	404	0.99	400	1.02	27	**427**	1.06	424	0	5	51	**480**
	NBT	1,817	71	1,746	0.99	1,729	1.02	72	**1801**	1.06	1,833	45	9	66	**1,953**
	NBR	10	0	10	0.99	10	1.02	0	**10**	1.06	11	0	0	0	**11**
	EBL	377	16	361	0.99	357	1.02	16	**373**	1.06	378	17	0	5	**400**
	EBT	5	0	5	0.99	5	1.02	0	**5**	1.06	5	0	0	0	**5**
	WBT	9	0	9	0.99	9	1.02	0	**9**	1.06	10	0	0	0	**10**
	WBR	8	0	8	0.99	8	1.02	0	**8**	1.06	8	0	0	0	**8**
Harding Ave & 96 Street *2/20/2014*	SBL	22	4	18	0.99	18	1.02	4	**22**	1.06	19	0	0	5	**24**
	SBT	1,429	76	1,353	0.99	1,339	1.02	78	**1417**	1.06	1,419	24	7	101	**1,551**
	SBR	292	0	292	0.99	289	1.02	0	**289**	1.06	306	10	0	0	**316**
	EBT	389	12	377	0.99	373	1.02	12	**385**	1.06	395	17	0	0	**412**
	EBR	468	92	376	0.99	372	1.02	94	**466**	1.06	394	0	4	110	**508**
	WBT	443	26	417	0.99	413	1.02	27	**440**	1.06	438	0	5	51	**494**
96th Street & Byron *2/20/2014*	NBL	370	0	370	0.99	366	1.02	0	**366**	1.00	366	0	0	0	**366**
	NBR	52	0	52	0.99	51	1.02	0	**51**	1.00	51	0	0	0	**51**
	SBL	--	0	0	0.99	0	1.02	0	**0**	1.00	0	0	0	4	**4**
	SBR	--	0	0	0.99	0	1.02	0	**0**	1.00	0	0	0	2	**2**
	EBL	0	0	0	0.99	0	1.02	0	**0**	1.00	0	0	0	2	**2**
	EBT	1,044	98	946	0.99	937	1.02	100	**1037**	1.06	993	17	4	110	**1,124**
	WBT	735	40	695	0.99	688	1.02	41	**729**	1.06	729	10	5	51	**795**
	WBR	0	0	0	0.99	0	1.02	0	**0**	1.00	0	0	0	2	**2**
96th Street & BHS Drive *2/20/2014*	SBL	98	98	0	0.99	0	1.02	100	**100**	1.00	0	0	0	110	**110**
	SBR	65	65	0	0.99	0	1.02	66	**66**	1.00	0	0	0	91	**91**
	EBUT	6	0	6	0.99	6	1.02	0	**6**	1.06	6	0	0	0	**6**
	EBL	57	57	0	0.99	0	1.02	58	**58**	1.00	0	0	0	69	**69**
	EBT	866	0	866	0.99	857	1.02	0	**857**	1.06	908	17	4	0	**929**
	WBUT	26	0	26	0.99	26	1.02	0	**26**	1.06	28	0	0	0	**28**
	WBT	1,037	0	1,037	0.99	1,027	1.02	0	**1027**	1.06	1,089	10	5	0	**1,104**
	WBR	40	40	0	0.99	0	1.02	41	**41**	1.00	0	0	0	51	**51**

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* EB right turns at 9700 are illegal; existing R turns are transferred to drive on Harding where they are permitted

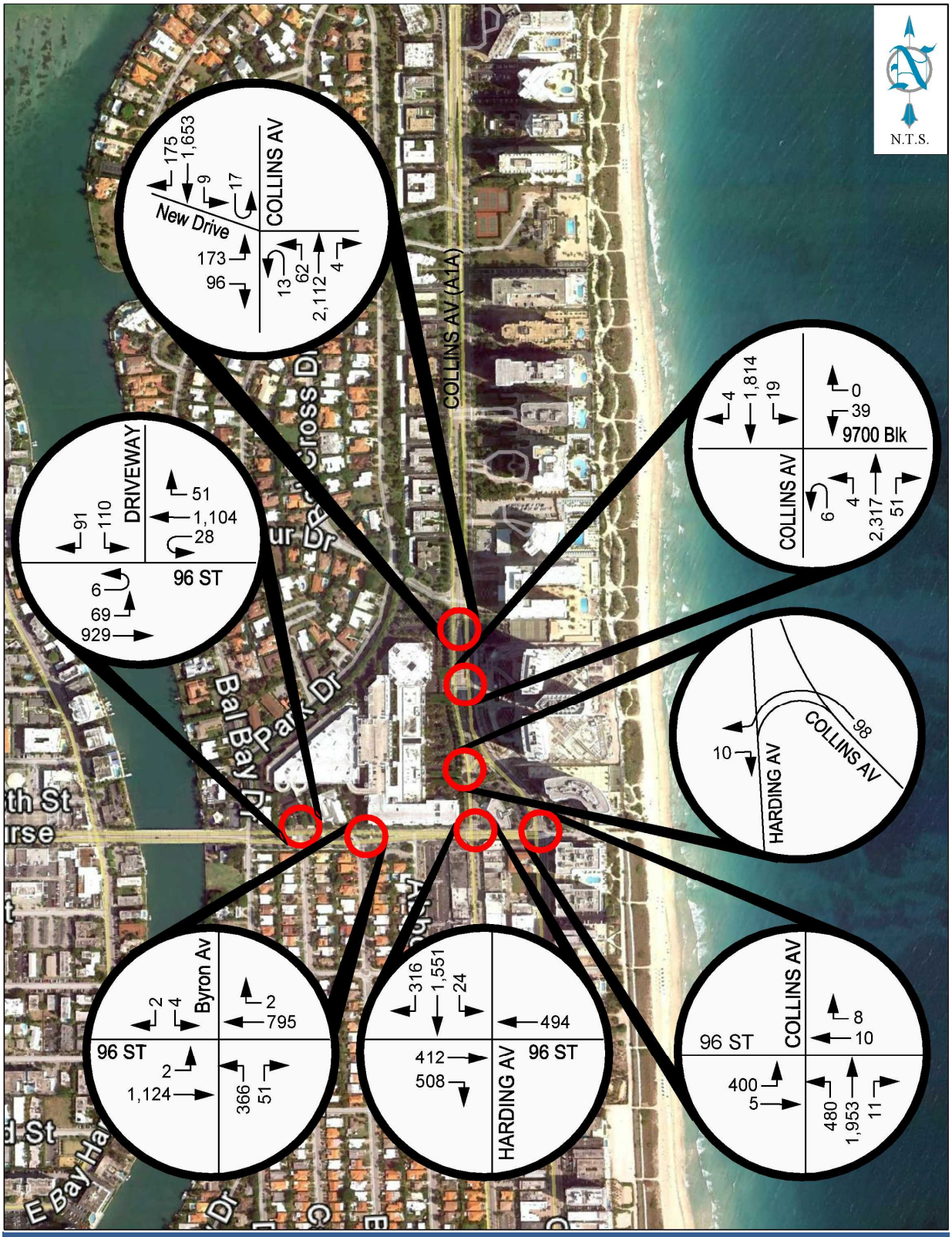

Figure 15
2020 PEAK SEASON TRAFFIC (5-6 PM) WITH ENHANCEMENTS

Future Arterial Levels of Service

The traffic projections for Bal Harbour Shops described earlier were combined with projected arterial traffic on Collins Avenue and on 96th Street to establish future arterial traffic volumes. These volumes were compared to Level of Service thresholds developed by the Florida Department of Transportation to assess Levels of Service on these roadways.

Levels of service on study area roadways in the year 2020 are shown in Table 6.

Table 6 - FUTURE (2020) ARTERIAL LEVELS OF SERVICE

Road Segment	Lanes	LOS Std	Ser Vol	2014 Pk Sea Pk Hr	Growth to 2020	2020 Pk Hr Background	Committed Development	2020 Pk Hr w/o Proj.	**LOS w/o Project**	PM Pk Hr Proj Traf	Percent of Ser. Vol	**Pk Hr With Project**	**LOS With Project**
96 Street													
Harding to Toll Plaza	4 LD	D	2,920	1,973	1.06	2,091	36	2,127	**D**	54	1.8%	**2181**	**D**
Collins Avenue													
96 St to Haulover Br.	6 LD	D	4,500	3,902	1.06	4,136	120	4,256	**D**	120	2.7%	**4376**	**D**

Source: March 2014 Count & FDOT Generalized LOS Table 4 for 2012

Intersection Levels of Service

Table 7 shows intersection Levels of Service and average delay for 1) existing conditions and for 2) traffic conditions after the enhancements are completed and with the new North driveway on Collins Avenue and the other recommended roadway changes in place. The analyses were performed using the methods described in the 2010 Highway Capacity Manual.

These capacity analyses show that the new signalized driveway on Collins Avenue at the North end of BHS will operate at Level of Service A, and that the remaining signalized intersections will operate at Level of Service C or better after the Bal Harbour Shops enhancements have been completed and the proposed improvements to the roadway network and traffic signal coordination are made.

Table 7 - INTERSECTION LEVELS OF SERVICE

Location	PM Peak Hour*	
	Existing Peak Season	2020 Peak Season w/ Enhancements
Collins Ave & New North Drive	--	A/9.1
Collins Ave & 9700 Block	B/14.9	A/3.8
Collins Avenue & 96th Street	D/45.2	C/23.5
Harding Avenue & 96th Street	C/32.7	C/22.6
96th Street & Byron Avenue	A/4.9	B/10.5
96th Street & S. Mall Entrance	A/5.9	A/5.9

* LOS/Ave. delay in sec.

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Traffic Conditions on the Roadway Network with BHS Enhancements and Traffic Improvements In Place

Computer simulation of roadway network operations was undertaken to evaluate traffic conditions for the existing peak season and for conditions which will exist after Bal Harbour Shops enhancements have been completed and the proposed traffic improvements have been implemented.

These analyses were conducted using SimTraffic (version 8) using the turning movement volumes shown in Table 5 and signal operating data obtained from Miami-Dade County. Signal operation in 2020 was assumed to have been optimized to take advantage of the proposed changes to the intersections around BHS. Existing and future scenarios were each simulated 5 times for 1 hour and the results were then averaged. The optimization was undertaken using a computer program named Synchro (version 8).

The analyses summarized in Table 8 show that delay per vehicle and stops per vehicle will be reduced after the Bal Harbour Shops enhancements and proposed intersection improvements are completed. These upgrades will provide an improvement to traffic flow for all drivers in this area, not just the patrons of Bal Harbour Shops.

Table 8 - ROAD NETWORK MEASURES OF EFFECTIVENESS

Measure of Effectiveness	- - PM Peak Hour - -		
	2014 Peak Season	2020 Peak Season w/ BHS Enhancements & Improvements	Percent Improvement
Delay/Vehicle in sec.	65.6	49.8	24%
Stops/vehicle	1.27	1.05	17%
Average Speed (mph)	16	17	6%

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CONCLUSIONS

These analyses of existing and projected traffic conditions demonstrate that the proposed enhancements at Bal Harbour Shops and relocation of Church by the Sea will result in reduced delay and fewer stops per vehicle on roadways in the Village of Bal Harbour. These improved conditions will benefit drivers within the Village of Bal Harbour including residents of the Village and neighboring communities such as Bay Harbour Islands and Surfside.

Arterial roadways and intersections within the study area will continue to operate at Levels of Service which meet the standards established by Bal Harbour Village. Furthermore, the improvements to intersections and driveways on Collins and Harding Avenues and on 96th Street plus the traffic signal timing adjustments proposed by Bal Harbour Shops and Church by the Sea will not just mitigate the traffic impacts of the proposed enhancements; they will provide for improvement to traffic operations (reduced delay and fewer stops) on the primary roadways within the Village of Bal Harbour.

APPENDICES

3-DAY COUNTS AT FDOT STATIONS

Counts on March 18, 19 & 20, 2014

Station 87-0132 (96th Street, W/o Abbott)

03/18/14	03/19/14	03/20/14	Average
(8:00-9:00 AM)	(8:00-9:00 AM)	(8:00-9:00 AM)	
1,947	2,183	1,960	2,030
(4:45-5:45 PM)	(5:30-6:30 PM)	(5:30-6:30 PM)	
1,905	2,171	1,844	1,973

PSF = 1.00 Peak Season Pk Hr* = **1,973**

* PM Peak used because BHS has minimal impact on AM traffic

LOS D = 2920 *LOS E = 3040*

Station 87-0540 (Collins Ave, S/o Haulover Bridge)

03/18/14	03/19/14	03/20/14	Average
(8:00-9:00 AM)	(5:00-6:00 PM)	(5:30-6:30 PM)	
3,823	4,027	3,879	3,910
(4:45-5:45 PM)	(5:00-6:00 PM)	(5:30-6:30 PM)	
3,799	4,027	3,879	3,902

PSF = 1.00 Peak Season Pk Hr* = **3,902**

* PM Peak used because BHS has minimal impact on AM traffic

LOS D = 4500 *LOS E = 4590*

Video Data Solutions, Inc.

A Traffic Data Collection Co.
Tel.(305) 235-1553 Fax.(305)235-7703

CLIENT : Fandrei Cunsulting, Inc.
JOB NO : 2014-13
PROJECT: Bal Harbour
COUNTY : Miami-Dade

Date Start: 18-Mar-14

96th Street West of Abbott Ave

Start	18-Mar-14	Eastbound		Westbound		Combined		19-Mar	Eastbound		Westbound		Combined	
Time	Tue	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Wed	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00		26	204	39	138	65	342		28	249	39	133	67	382
12:15		26	207	35	189	61	396		19	276	36	166	55	442
12:30		16	166	30	155	46	321		21	241	40	164	61	405
12:45		13	214	25	186	38	400		18	197	21	168	39	365
01:00		17	221	22	162	39	383		17	266	23	162	40	428
01:15		11	219	18	155	29	374		13	244	19	167	32	411
01:30		9	196	19	174	28	370		15	247	18	189	33	436
01:45		13	218	13	149	26	367		11	240	11	171	22	411
02:00		8	258	11	137	19	395		9	361	15	192	24	553
02:15		8	239	8	140	16	379		10	391	9	160	19	551
02:30		6	227	12	166	18	393		4	295	8	171	12	466
02:45		12	219	8	190	20	409		7	343	8	178	15	521
03:00		6	274	10	191	16	465		5	349	3	156	8	505
03:15		9	333	7	168	16	501		6	259	5	166	11	425
03:30		5	308	5	180	10	488		7	280	10	151	17	431
03:45		9	205	7	***189***	16	394		7	270	10	156	17	426
04:00		10	286	9	***188***	19	474		10	333	5	168	15	501
04:15		9	246	9	***179***	18	425		9	322	6	164	15	486
04:30		10	259	9	***182***	19	441		10	306	4	176	14	482
04:45		15	***281***	15	163	30	***444***		18	344	7	148	25	492
05:00		13	***309***	8	176	21	***485***		19	342	5	***179***	24	521
05:15		22	***314***	7	184	29	***498***		10	300	4	***179***	14	479
05:30		29	***291***	23	187	52	***478***		25	***314***	5	***203***	30	***517***
05:45		33	227	21	166	54	393		50	***301***	7	***184***	57	***485***
06:00		44	294	14	161	58	455		37	***448***	6	176	43	***624***
06:15		66	225	26	159	92	384		55	***365***	7	180	62	***545***
06:30		103	208	34	144	137	352		95	291	12	172	107	463
06:45		125	226	40	180	165	406		161	290	21	171	182	461
07:00		114	244	53	132	167	376		128	291	37	165	165	456
07:15		138	217	72	145	210	362		166	297	50	152	216	449
07:30		212	201	109	125	321	326		201	248	66	155	267	403
07:45		246	147	115	134	361	281		***283***	208	127	129	410	337
08:00		***281***	208	***201***	135	***482***	343		***386***	224	***191***	147	***577***	371
08:15		***308***	170	***186***	97	***494***	267		***410***	230	***174***	107	***584***	337
08:30		***333***	181	***152***	108	***485***	289		***466***	157	***138***	144	***604***	301
08:45		***285***	134	***201***	110	***486***	244		235	202	***183***	93	***418***	295
09:00		215	176	167	98	382	274		274	177	150	108	424	285
09:15		211	166	172	88	383	254		282	161	136	86	418	247
09:30		210	145	156	84	366	229		251	139	139	84	390	223
09:45		197	107	151	59	348	166		243	128	144	72	387	200
10:00		209	100	133	73	342	173		208	109	151	106	359	215
10:15		184	63	134	72	318	135		231	135	137	93	368	228
10:30		200	69	162	48	362	117		221	78	135	84	356	162
10:45		183	57	133	77	316	134		249	74	137	55	386	129
11:00		174	61	143	58	317	119		244	62	144	54	388	116
11:15		181	52	116	49	297	101		230	52	136	64	366	116
11:30		192	38	173	56	365	94		259	63	154	57	413	120
11:45		219	39	171	50	390	89		205	36	165	50	370	86
Total		4965	9449	3384	6536	8349	15985		5868	11535	3058	6755	8926	18290
Day Total		14414		9920		24334			17403		9813		27216	
% Total		20.4%	38.8%	13.9%	26.9%				21.6%	42.4%	11.2%	24.8%		
Peak	-	08:00	04:45	08:00	03:45	08:00	04:45	-	07:45	05:30	08:00	05:00	08:00	05:30
Vol.	-	1207	1195	740	738	1947	1905	-	1545	1428	686	745	2183	2171
P.H.F.		0.906	0.951	0.920	0.976	0.985	0.956		0.829	0.797	0.898	0.917	0.904	0.870

Video Data Solutions, Inc.

A Traffic Data Collection Co.
Tel.(305) 235-1553 Fax.(305)235-7703

CLIENT : Fandrei Cunsulting, Inc.
JOB NO : 2014-13
PROJECT: Bal Harbour
COUNTY : Miami-Dade

Date Start: 18-Mar-14

96th Street West of Abbott Ave

Start	18-Mar-14	Eastbound		Westbound		Combined		19-Mar	Eastbound		Westbound		Combined	
Time	Tue	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Wed	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00		26	204	39	138	65	342		28	249	39	133	67	382
12:15		26	207	35	189	61	396		19	276	36	166	55	442
12:30		16	166	30	155	46	321		21	241	40	164	61	405
12:45		13	214	25	186	38	400		18	197	21	168	39	365
01:00		17	221	22	162	39	383		17	266	23	162	40	428
01:15		11	219	18	155	29	374		13	244	19	167	32	411
01:30		9	196	19	174	28	370		15	247	18	189	33	436
01:45		13	218	13	149	26	367		11	240	11	171	22	411
02:00		8	258	11	137	19	395		9	361	15	192	24	553
02:15		8	239	8	140	16	379		10	391	9	160	19	551
02:30		6	227	12	166	18	393		4	295	8	171	12	466
02:45		12	219	8	190	20	409		7	343	8	178	15	521
03:00		6	274	10	191	16	465		5	349	3	156	8	505
03:15		9	333	7	168	16	501		6	259	5	166	11	425
03:30		5	308	5	180	10	488		7	280	10	151	17	431
03:45		9	205	7	***189***	16	394		7	270	10	156	17	426
04:00		10	286	9	***188***	19	474		10	333	5	168	15	501
04:15		9	246	9	***179***	18	425		9	322	6	164	15	486
04:30		10	259	9	***182***	19	441		10	306	4	176	14	482
04:45		15	***281***	15	163	30	***444***		18	344	7	148	25	492
05:00		13	***309***	8	176	21	***485***		19	342	5	***179***	24	521
05:15		22	***314***	7	184	29	***498***		10	300	4	***179***	14	479
05:30		29	***291***	23	187	52	***478***		25	***314***	5	***203***	30	***517***
05:45		33	227	21	166	54	393		50	***301***	7	***184***	57	***485***
06:00		44	294	14	161	58	455		37	***448***	6	176	43	***624***
06:15		66	225	26	159	92	384		55	***365***	7	180	62	***545***
06:30		103	208	34	144	137	352		95	291	12	172	107	463
06:45		125	226	40	180	165	406		161	290	21	171	182	461
07:00		114	244	53	132	167	376		128	291	37	165	165	456
07:15		138	217	72	145	210	362		166	297	50	152	216	449
07:30		212	201	109	125	321	326		201	248	66	155	267	403
07:45		246	147	115	134	361	281		***283***	208	127	129	410	337
08:00		***281***	208	***201***	135	***482***	343		***386***	224	***191***	147	***577***	371
08:15		***308***	170	***186***	97	***494***	267		***410***	230	***174***	107	***584***	337
08:30		***333***	181	***152***	108	***485***	289		***466***	157	***138***	144	***604***	301
08:45		***285***	134	***201***	110	***486***	244		235	202	***183***	93	***418***	295
09:00		215	176	167	98	382	274		274	177	150	108	424	285
09:15		211	166	172	88	383	254		282	161	136	86	418	247
09:30		210	145	156	84	366	229		251	139	139	84	390	223
09:45		197	107	151	59	348	166		243	128	144	72	387	200
10:00		209	100	133	73	342	173		208	109	151	106	359	215
10:15		184	63	134	72	318	135		231	135	137	93	368	228
10:30		200	69	162	48	362	117		221	78	135	84	356	162
10:45		183	57	133	77	316	134		249	74	137	55	386	129
11:00		174	61	143	58	317	119		244	62	144	54	388	116
11:15		181	52	116	49	297	101		230	52	136	64	366	116
11:30		192	38	173	56	365	94		259	63	154	57	413	120
11:45		219	39	171	50	390	89		205	36	165	50	370	86
Total		4965	9449	3384	6536	8349	15985		5868	11535	3058	6755	8926	18290
Day Total		14414		9920		24334			17403		9813		27216	
% Total		20.4%	38.8%	13.9%	26.9%				21.6%	42.4%	11.2%	24.8%		
Peak	-	08:00	04:45	08:00	03:45	08:00	04:45	-	07:45	05:30	08:00	05:00	08:00	05:30
Vol.	-	1207	1195	740	738	1947	1905	-	1545	1428	686	745	2183	2171
P.H.F.		0.906	0.951	0.920	0.976	0.985	0.956		0.829	0.797	0.898	0.917	0.904	0.870

Video Data Solutions, Inc.

A Traffic Data Collection Co.
Tel.(305) 235-1553 Fax.(305)235-7703

CLIENT : Fandrei Cunsulting, Inc.
JOB NO : 2014-13
PROJECT: Bal Harbour
COUNTY : Miami-Dade

Date Start: 18-Mar-14

96th Street West of Abbott Ave

Start Time	20-Mar-14 Thu	Eastbound A.M.	Eastbound P.M.	Westbound A.M.	Westbound P.M.	Combined A.M.	Combined P.M.	21-Mar Fri	Eastbound A.M.	Eastbound P.M.	Westbound A.M.	Westbound P.M.	Combined A.M.	Combined P.M.
12:00		23	229	39	171	62	400		*	*	*	*	*	*
12:15		23	242	34	175	57	417		*	*	*	*	*	*
12:30		18	239	29	188	47	427		*	*	*	*	*	*
12:45		23	224	22	172	45	396		*	*	*	*	*	*
01:00		19	214	20	168	39	382		*	*	*	*	*	*
01:15		12	212	21	174	33	386		*	*	*	*	*	*
01:30		9	198	18	165	27	363		*	*	*	*	*	*
01:45		10	222	13	189	23	411		*	*	*	*	*	*
02:00		8	292	11	187	19	479		*	*	*	*	*	*
02:15		10	254	10	188	20	442		*	*	*	*	*	*
02:30		6	237	9	170	15	407		*	*	*	*	*	*
02:45		8	240	8	177	16	417		*	*	*	*	*	*
03:00		6	247	10	185	16	432		*	*	*	*	*	*
03:15		8	280	6	167	14	447		*	*	*	*	*	*
03:30		9	249	10	185	19	434		*	*	*	*	*	*
03:45		6	261	8	187	14	448		*	*	*	*	*	*
04:00		10	271	7	***181***	17	452		*	*	*	*	*	*
04:15		12	268	10	***182***	22	450		*	*	*	*	*	*
04:30		10	273	4	***193***	14	466		*	*	*	*	*	*
04:45		15	256	5	***190***	20	446		*	*	*	*	*	*
05:00		17	288	9	171	26	459		*	*	*	*	*	*
05:15		17	271	11	164	28	435		*	*	*	*	*	*
05:30		30	***276***	12	174	42	***450***		*	*	*	*	*	*
05:45		37	***284***	17	177	54	***461***		*	*	*	*	*	*
06:00		33	***288***	24	182	57	***470***		*	*	*	*	*	*
06:15		65	***274***	24	189	89	***463***		*	*	*	*	*	*
06:30		106	248	38	177	144	425		*	*	*	*	*	*
06:45		131	234	49	181	180	415		*	*	*	*	*	*
07:00		141	239	62	159	203	398		*	*	*	*	*	*
07:15		159	208	79	153	238	361		*	*	*	*	*	*
07:30		187	181	108	140	295	321		*	*	*	*	*	*
07:45		203	168	154	131	357	299		*	*	*	*	*	*
08:00		***284***	188	***192***	131	***476***	319		*	*	*	*	*	*
08:15		***344***	140	***181***	99	***525***	239		*	*	*	*	*	*
08:30		***327***	142	***181***	118	***508***	260		*	*	*	*	*	*
08:45		***263***	141	***188***	105	***451***	246		*	*	*	*	*	*
09:00		228	180	177	102	405	282		*	*	*	*	*	*
09:15		208	151	155	84	363	235		*	*	*	*	*	*
09:30		222	126	156	72	378	198		*	*	*	*	*	*
09:45		198	111	183	82	381	193		*	*	*	*	*	*
10:00		201	91	148	84	349	175		*	*	*	*	*	*
10:15		216	85	148	71	364	156		*	*	*	*	*	*
10:30		201	78	148	59	349	137		*	*	*	*	*	*
10:45		211	79	163	72	374	151		*	*	*	*	*	*
11:00		215	68	150	60	365	128		*	*	*	*	*	*
11:15		206	44	146	54	352	98		*	*	*	*	*	*
11:30		207	45	168	62	375	107		*	*	*	*	*	*
11:45		223	40	161	42	384	82		*	*	*	*	*	*
Total		5125	9576	3526	6889	8651	16465		0	0	0	0	0	0
Day Total		14701		10415		25116			0		0		0	
% Total		20.4%	38.1%	14.0%	27.4%				0.0%	0.0%	0.0%	0.0%		
Peak	-	08:00	05:30	08:00	04:00	08:00	05:30	-	-	-	-	-	-	-
Vol.	-	1218	1122	742	746	1960	1844	-	-	-	-	-	-	-
P.H.F.		0.885	0.974	0.966	0.966	0.933	0.981							

ADT	ADT 10,955	AADT 10,955

Video Data Solutions, Inc.

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CLIENT : Fandrei Cunsulting, Inc.
JOB NO : 2014-13
PROJECT: Bal Harbour
COUNTY : Miami-Dade

Date Start: 18-Mar-14
Site Code: 870540121100
Collins Ave South of Haulover Bridge

Start Time	18-Mar-14 Tue	Northbound A.M.	Northbound P.M.	Southbound A.M.	Southbound P.M.	Combined A.M.	Combined P.M.	19-Mar Wed	Northbound A.M.	Northbound P.M.	Southbound A.M.	Southbound P.M.	Combined A.M.	Combined P.M.
12:00		167	351	102	343	269	694		114	431	73	375	187	806
12:15		130	331	105	391	235	722		110	373	82	383	192	756
12:30		120	341	82	369	202	710		105	372	61	401	166	773
12:45		76	348	93	400	169	748		88	405	51	386	139	791
01:00		92	324	53	387	145	711		60	408	39	398	99	806
01:15		52	329	50	368	102	697		48	378	31	370	79	748
01:30		75	345	41	347	116	692		61	341	39	387	100	728
01:45		50	361	43	380	93	741		46	401	26	375	72	776
02:00		45	331	30	354	75	685		40	411	26	352	66	763
02:15		37	359	31	371	68	730		35	384	18	340	53	724
02:30		34	396	36	415	70	811		25	399	16	378	41	777
02:45		38	376	19	425	57	801		25	390	13	399	38	789
03:00		37	368	30	349	67	717		29	389	31	387	60	776
03:15		36	476	24	396	60	872		23	442	11	417	34	859
03:30		27	432	20	376	47	808		30	500	13	404	43	904
03:45		33	396	17	384	50	780		24	416	15	402	39	818
04:00		35	473	19	475	54	948		18	486	16	398	34	884
04:15		32	435	22	419	54	854		17	510	18	456	35	966
04:30		44	484	41	398	85	882		33	533	32	387	65	920
04:45		33	***493***	41	365	74	***858***		22	496	34	***415***	56	911
05:00		32	***538***	31	***442***	63	***980***		15	***632***	51	***441***	66	***1073***
05:15		24	***543***	35	***434***	59	***977***		27	***591***	47	***414***	74	***1005***
05:30		43	***546***	53	***438***	96	***984***		40	***545***	69	***484***	109	***1029***
05:45		63	452	90	***378***	153	830		51	***525***	76	395	127	***920***
06:00		48	530	91	379	139	909		62	517	79	408	141	925
06:15		89	465	145	436	234	901		71	522	169	371	240	893
06:30		106	485	196	381	302	866		118	483	190	404	308	887
06:45		133	469	263	408	396	877		119	448	320	387	439	835
07:00		148	465	310	395	458	860		166	450	317	360	483	810
07:15		174	357	369	291	543	648		186	373	436	387	622	760
07:30		224	344	459	328	683	672		231	369	531	393	762	762
07:45		277	343	544	332	821	675		275	317	***593***	319	868	636
08:00		265	319	***583***	293	***848***	612		284	297	***604***	342	***888***	639
08:15		***352***	257	***601***	311	***953***	568		327	301	***541***	288	***868***	589
08:30		***386***	257	***657***	359	***1043***	616		331	264	***535***	285	***866***	549
08:45		***381***	264	***598***	292	***979***	556		351	277	530	303	***881***	580
09:00		***321***	256	474	264	795	520		341	305	427	282	768	587
09:15		298	275	415	294	713	569		289	345	409	252	698	597
09:30		287	271	448	251	735	522		324	286	450	268	774	554
09:45		324	204	417	233	741	437		316	197	395	246	711	443
10:00		280	235	377	238	657	473		286	282	316	202	602	484
10:15		322	200	371	205	693	405		343	273	390	216	733	489
10:30		354	160	395	178	749	338		325	247	341	197	666	444
10:45		360	150	378	168	738	318		***355***	198	343	210	698	408
11:00		304	165	338	130	642	295		***317***	198	364	180	681	378
11:15		295	147	364	124	659	271		***345***	206	363	161	708	367
11:30		360	143	431	147	791	290		***381***	174	346	157	727	331
11:45		339	131	359	120	698	251		333	173	366	98	699	271
Total		7782	16720	10691	15961	18473	32681		7562	18260	10243	16260	17805	34520
Day Total		24502		26652		51154			25822		26503		52325	
% Total		15.2%	32.7%	20.9%	31.2%				14.5%	34.9%	19.6%	31.1%		
Peak	-	08:15	04:45	08:00	05:00	08:00	04:45	-	10:45	05:00	07:45	04:45	08:00	05:00
Vol.	-	1440	2120	2439	1692	3823	3799	-	1398	2293	2273	1754	3503	4027
P.H.F.		0.933	0.971	0.928	0.957	0.916	0.965		0.917	0.907	0.941	0.906	0.986	0.938

Video Data Solutions, Inc.

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CLIENT : Fandrei Cunsulting, Inc.
JOB NO : 2014-13
PROJECT: Bal Harbour
COUNTY : Miami-Dade

Date Start: 18-Mar-14
Site Code: 870540121100
Collins Ave South of Haulover Bridge

Start Time	20-Mar-14 Thu	Northbound A.M.	Northbound P.M.	Southbound A.M.	Southbound P.M.	Combined A.M.	Combined P.M.	21-Mar Fri	Northbound A.M.	Northbound P.M.	Southbound A.M.	Southbound P.M.	Combined A.M.	Combined P.M.
12:00		165	417	90	381	255	798		*	*	*	*	*	*
12:15		115	349	62	397	177	746		*	*	*	*	*	*
12:30		96	356	62	386	158	742		*	*	*	*	*	*
12:45		93	347	60	382	153	729		*	*	*	*	*	*
01:00		78	345	53	401	131	746		*	*	*	*	*	*
01:15		81	376	50	328	131	704		*	*	*	*	*	*
01:30		67	343	25	433	92	776		*	*	*	*	*	*
01:45		50	361	27	339	77	700		*	*	*	*	*	*
02:00		42	360	24	336	66	696		*	*	*	*	*	*
02:15		31	377	21	361	52	738		*	*	*	*	*	*
02:30		33	357	20	375	53	732		*	*	*	*	*	*
02:45		19	441	18	404	37	845		*	*	*	*	*	*
03:00		41	421	17	426	58	847		*	*	*	*	*	*
03:15		30	433	21	368	51	801		*	*	*	*	*	*
03:30		24	500	7	420	31	920		*	*	*	*	*	*
03:45		20	507	19	373	39	880		*	*	*	*	*	*
04:00		25	511	21	***433***	46	944		*	*	*	*	*	*
04:15		24	510	18	***450***	42	960		*	*	*	*	*	*
04:30		30	545	23	***458***	53	1003		*	*	*	*	*	*
04:45		34	499	48	***376***	82	875		*	*	*	*	*	*
05:00		30	567	34	411	64	978		*	*	*	*	*	*
05:15		30	501	29	421	59	922		*	*	*	*	*	*
05:30		47	***597***	71	426	118	***1023***		*	*	*	*	*	*
05:45		59	***556***	71	373	130	***929***		*	*	*	*	*	*
06:00		60	***572***	104	415	164	***987***		*	*	*	*	*	*
06:15		97	***513***	159	427	256	***940***		*	*	*	*	*	*
06:30		126	518	199	412	325	930		*	*	*	*	*	*
06:45		141	516	273	440	414	956		*	*	*	*	*	*
07:00		133	404	295	387	428	791		*	*	*	*	*	*
07:15		168	427	390	383	558	810		*	*	*	*	*	*
07:30		227	392	***485***	374	712	766		*	*	*	*	*	*
07:45		297	363	***534***	350	831	713		*	*	*	*	*	*
08:00		245	326	***546***	314	791	640		*	*	*	*	*	*
08:15		330	270	***564***	316	***894***	586		*	*	*	*	*	*
08:30		***350***	289	468	328	***818***	617		*	*	*	*	*	*
08:45		***368***	268	530	286	***898***	554		*	*	*	*	*	*
09:00		***323***	284	513	276	***836***	560		*	*	*	*	*	*
09:15		***350***	278	452	270	802	548		*	*	*	*	*	*
09:30		309	268	501	287	810	555		*	*	*	*	*	*
09:45		295	246	342	243	637	489		*	*	*	*	*	*
10:00		311	226	399	228	710	454		*	*	*	*	*	*
10:15		295	220	368	225	663	445		*	*	*	*	*	*
10:30		374	216	373	212	747	428		*	*	*	*	*	*
10:45		336	227	378	242	714	469		*	*	*	*	*	*
11:00		313	193	375	152	688	345		*	*	*	*	*	*
11:15		327	226	363	188	690	414		*	*	*	*	*	*
11:30		323	181	342	141	665	322		*	*	*	*	*	*
11:45		348	159	424	130	772	289		*	*	*	*	*	*
Total		7710	18158	10268	16484	17978	34642		0	0	0	0	0	0
Day Total		25868		26752		52620			0		0		0	
% Total		14.7%	34.5%	19.5%	31.3%				0.0%	0.0%	0.0%	0.0%		
Peak	-	08:30	05:30	07:30	04:00	08:15	05:30	-	-	-	-	-	-	-
Vol.	-	1391	2238	2129	1717	3446	3879	-	-	-	-	-	-	-
P.H.F.		0.945	0.937	0.944	0.937	0.959	0.948							

ADT	ADT 52,573	AADT 52,573

CORDON COUNTS

CORDON COUNT

	Collins S/o 96 St Average 3 Days Tue, Wed, Thu		Harding S/o 96 St Average 3 Days Tue, Wed, Thu		96 St @ Intercoastal Average 3 Days Tue, Wed, Thu		Collins @ Haulover Br Average 3 Days Tue, Wed, Thu		Totals Average 3 Days Tue, Wed, Thu	
Time	NB/IN	SB/OUT	NB/IN	SB/OUT	EB/IN	WB/OUT	NB/OUT	SB/IN	ENTER	EXIT
12:15 AM	109	0	0	92	29	45	115	76	214	252
12:30 AM	103	0	0	66	22	38	90	48	173	194
12:45 AM	83	0	0	58	14	36	76	55	152	170
1:00 AM	73	0	0	48	18	25	69	42	133	142
1:15 AM	57	0	0	45	13	18	52	36	106	115
1:30 AM	53	0	0	34	14	18	43	28	95	95
1:45 AM	44	0	0	31	9	12	37	26	79	80
2:00 AM	37	0	0	26	10	15	29	18	65	70
2:15 AM	32	0	0	23	6	15	28	21	59	66
2:30 AM	24	0	0	21	7	7	17	17	48	45
2:45 AM	32	0	0	19	5	7	22	18	55	48
3:00 AM	25	0	0	15	4	8	20	11	40	43
3:15 AM	19	0	0	21	6	7	17	15	40	45
3:30 AM	22	0	0	13	5	8	15	13	40	36
3:45 AM	16	0	0	16	4	5	16	12	32	37
4:00 AM	19	0	0	13	4	4	17	11	34	34
4:15 AM	17	0	0	16	5	5	13	14	36	34
4:30 AM	19	0	0	19	7	7	14	15	41	40
4:45 AM	20	0	0	26	9	3	21	21	50	50
5:00 AM	22	0	0	41	17	9	17	31	70	67
5:15 AM	31	0	0	52	16	15	21	32	79	88
5:30 AM	32	0	0	42	18	12	37	36	86	91
5:45 AM	48	0	0	59	26	16	37	55	129	112
6:00 AM	63	0	0	74	45	24	49	68	176	147
6:15 AM	62	0	0	102	46	21	51	89	197	174
6:30 AM	93	0	0	155	58	33	79	133	284	267
6:45 AM	110	0	0	229	91	29	111	199	400	369
7:00 AM	157	0	0	322	149	54	114	274	580	490
7:15 AM	168	0	0	311	113	69	162	274	555	542
7:30 AM	196	0	0	417	157	93	173	370	723	683
7:45 AM	260	0	0	498	186	127	232	428	874	857
8:00 AM	278	0	0	490	230	176	226	434	942	892
8:15 AM	361	0	0	534	250	258	253	467	1078	1045
8:30 AM	372	0	0	541	305	243	294	481	1158	1078
8:45 AM	398	0	0	527	330	193	288	442	1170	1008
9:00 AM	401	0	0	456	232	202	307	466	1099	965
9:15 AM	347	0	0	431	230	197	278	392	969	906
9:30 AM	354	0	0	377	214	179	264	353	921	820
9:45 AM	330	0	0	410	215	168	280	378	923	858
10:00 AM	314	0	0	352	216	170	281	316	846	803
10:15 AM	286	0	0	385	202	162	263	299	787	810
10:30 AM	301	0	0	343	193	161	261	308	802	765
10:45 AM	340	0	0	364	196	166	287	300	836	817
11:00 AM	343	0	0	348	201	168	291	311	855	807
11:15 AM	321	0	0	360	197	167	276	293	811	803
11:30 AM	320	0	0	371	200	159	286	303	823	816
11:45 AM	343	0	0	369	209	174	290	316	868	833
12:00 PM	351	0	0	383	194	187	282	316	861	852
12:15 PM	356	0	0	357	238	181	338	311	905	876
12:30 PM	352	0	0	355	217	175	297	297	866	827
12:45 PM	401	0	0	361	224	181	306	326	951	848
1:00 PM	390	0	0	346	206	182	334	343	939	862
1:15 PM	345	0	0	401	215	181	295	313	873	877
1:30 PM	334	0	0	351	187	193	325	312	833	869
1:45 PM	347	0	0	404	198	219	315	324	869	938
2:00 PM	337	0	0	370	205	213	299	289	831	882
2:15 PM	352	0	0	376	238	200	320	328	918	896
2:30 PM	376	0	0	375	231	206	305	321	928	886
2:45 PM	380	0	0	432	219	223	384	371	970	1039
3:00 PM	403	0	0	403	219	231	325	309	931	959
3:15 PM	385	0	0	421	236	247	378	349	970	1046
3:30 PM	409	0	0	430	267	223	419	317	993	1072
3:45 PM	444	0	0	433	274	223	418	343	1061	1074
4:00 PM	474	0	0	435	226	229	427	340	1040	1091
4:15 PM	444	0	0	446	237	231	423	375	1056	1100
4:30 PM	486	0	0	459	246	254	460	330	1062	1173
4:45 PM	501	0	0	437	249	235	476	351	1101	1148
5:00 PM	515	0	0	456	246	235	478	367	1128	1169
5:15 PM	532	0	0	439	248	259	510	353	1133	1208
5:30 PM	549	0	0	464	250	261	512	380	1179	1237
5:45 PM	553	0	0	460	252	241	520	386	1191	1221
6:00 PM	528	0	0	472	266	249	516	368	1162	1237
6:15 PM	482	0	0	441	257	245	485	367	1106	1171
6:30 PM	485	0	0	466	265	244	480	365	1115	1190
6:45 PM	453	0	0	415	219	227	429	363	1035	1071
7:00 PM	478	0	0	428	207	212	454	346	1031	1094
7:15 PM	439	0	0	417	191	202	427	322	952	1046
7:30 PM	404	0	0	396	181	191	379	339	924	966
7:45 PM	359	0	0	393	168	168	311	335	862	872
8:00 PM	320	0	0	376	158	156	281	304	782	813
8:15 PM	287	0	0	365	161	145	261	269	717	771
8:30 PM	282	0	0	348	143	134	251	303	728	733
8:45 PM	260	0	0	303	131	125	229	245	636	657
9:00 PM	232	0	0	294	118	129	218	254	604	641
9:15 PM	230	0	0	309	119	139	233	253	602	681
9:30 PM	227	0	0	315	106	127	266	246	579	708
9:45 PM	198	0	0	271	94	107	220	241	533	598
10:00 PM	211	0	0	259	96	91	188	206	513	538
10:15 PM	198	0	0	245	74	91	185	215	487	521
10:30 PM	211	0	0	228	69	73	187	192	472	488
10:45 PM	206	0	0	217	75	79	189	185	466	485
11:00 PM	189	0	0	200	61	66	186	172	422	452
11:15 PM	187	0	0	188	61	69	181	155	403	438
11:30 PM	158	0	0	168	49	67	167	131	338	402
11:45 PM	162	0	0	128	37	59	156	101	300	343
12:00 AM	166	0	0	113	32	53	154	99	297	320
	24823			27111	13593	12386	22398	22772	61188	61895
									123083	
								adjust to Ave Daily. F=0.96	118160	

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218008.PRN
Station : 000000021701
Identification : 009600650022
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	101	40	31	19	21	32	60	174	381	351	328	285
30	97	47	16	13	24	33	88	193	355	337	276	336
45	83	41	25	18	25	42	108	261	392	314	353	342
00	73	45	26	18	21	64	154	278	343	301	362	343
Hr Total	354	173	98	68	91	171	410	906	1471	1303	1319	1306

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	344	338	347	399	466	522	473	482	284	220	162	170
30	345	315	373	391	477	536	475	419	244	228	188	146
45	403	349	418	432	514	563	481	383	216	189	200	171
00	368	326	364	487	530	545	498	329	229	218	171	139
Hr Total	1460	1328	1502	1709	1987	2166	1927	1613	973	855	721	626

24 Hour Total : 24537
AM peak hour begins : 08:00 AM peak volume : 1471 Peak hour factor : 0.94
PM peak hour begins : 17:00 PM peak volume : 2166 Peak hour factor : 0.96

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219008.PRN
Station : 000000021701
Identification : 009600650022
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	104	67	28	20	13	32	66	161	351	356	265	355
30	102	52	27	19	11	36	94	201	358	378	315	294
45	78	42	35	17	22	51	112	274	405	325	323	344
00	81	18	20	12	20	57	159	253	428	324	337	355
Hr Total	365	179	110	68	66	176	431	889	1542	1383	1240	1348

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	342	327	346	360	383	519	512	396	283	244	193	201
30	318	325	395	388	491	569	525	371	316	214	203	164
45	385	364	314	466	529	545	470	349	266	193	214	147
00	404	331	427	473	538	475	504	313	217	185	191	163
Hr Total	1449	1347	1482	1687	1941	2108	2011	1429	1082	836	801	675

24 Hour Total : 24645
AM peak hour begins : 08:30 AM peak volume : 1567 Peak hour factor : 0.92
PM peak hour begins : 16:45 PM peak volume : 2171 Peak hour factor : 0.95

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220008.PRN
Station : 000000021701
Identification : 009600650022
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	123	65	37	19	17	30	61	170	350	335	266	322
30	109	60	29	34	23	28	98	194	402	346	312	331
45	87	49	35	13	14	52	110	245	396	350	343	343
00	66	47	29	28	25	68	157	302	432	316	330	356
Hr Total	385	221	130	94	79	178	426	911	1580	1347	1251	1352

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	383	370	364	395	483	555	461	439	293	227	240	189
30	394	361	361	447	489	541	455	423	285	240	243	164
45	414	327	409	434	459	552	407	346	297	212	204	168
00	398	354	418	463	477	563	432	317	251	231	204	197
Hr Total	1589	1412	1552	1739	1908	2211	1755	1525	1126	910	891	718

24 Hour Total : 25290
AM peak hour begins : 08:00 AM peak volume : 1580 Peak hour factor : 0.91
PM peak hour begins : 17:00 PM peak volume : 2211 Peak hour factor : 0.98

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221008.PRN
Station : 000000021701
Identification : 009600650022
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	158	56	39	26	44	29	64	149	352	358	340	338
30	132	66	58	39	23	45	97	202	394	317	359	409
45	100	72	40	30	21	50	126	264	378	313	334	366
00	94	44	37	27	36	67	163	296	392	348	414	336
Hr Total	484	238	174	122	124	191	450	911	1516	1336	1447	1449

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	368	405	385	465	421	522	509	428	261	203	230	242
30	426	356	381	508	484	532	485	373	237	214	237	222
45	433	431	409	483	494	542	409	368	222	242	260	231
00	403	354	443	450	509	481	391	269	234	202	246	189
Hr Total	1630	1546	1618	1906	1908	2077	1794	1438	954	861	973	884

24 Hour Total : 26031
AM peak hour begins : 10:45 AM peak volume : 1527 Peak hour factor : 0.92
PM peak hour begins : 16:45 PM peak volume : 2105 Peak hour factor : 0.97

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222008.PRN
Station : 000000021701
Identification : 009600650022
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	206	135	84	58	68	41	56	94	157	233	290	295
30	143	101	56	69	59	53	72	119	177	251	298	296
45	162	88	74	48	42	50	95	128	218	246	286	324
00	123	83	54	53	57	58	109	141	242	264	321	344
Hr Total	634	407	268	228	226	202	332	482	794	994	1195	1259

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	324	357	322	327	355	385	415	450	406	371	339	245
30	368	336	357	355	358	397	379	428	415	376	320	270
45	346	359	350	340	346	423	413	414	393	348	302	273
00	353	330	334	378	373	425	410	345	399	342	242	260
Hr Total	1391	1382	1363	1400	1432	1630	1617	1637	1613	1437	1203	1048

24 Hour Total : 24174
AM peak hour begins : 11:30 AM peak volume : 1360 Peak hour factor : 0.92
PM peak hour begins : 18:45 PM peak volume : 1702 Peak hour factor : 0.95

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223008.PRN
Station : 000000021701
Identification : 009600650022
Start date : Feb 23, 14
Stop date : Feb 23, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 23 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	246	176	102	76	56	51	58	82	132	178	251	285
30	206	143	111	59	65	58	58	96	126	226	263	341
45	205	131	102	69	40	51	71	107	170	242	292	357
00	208	131	89	57	58	59	87	116	186	283	308	320
Hr Total	865	581	404	261	219	219	274	401	614	929	1114	1303

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	359	342	341	347	377	348	359	386	283	246	212	190
30	356	357	365	374	356	367	335	325	259	234	207	136
45	326	369	337	366	332	354	367	312	227	195	193	149
00	333	347	358	347	376	371	349	251	218	202	169	145
Hr Total	1374	1415	1401	1434	1441	1440	1410	1274	987	877	781	620

24 Hour Total : 21638
AM peak hour begins : 11:30 AM peak volume : 1392 Peak hour factor : 0.97
PM peak hour begins : 15:15 PM peak volume : 1464 Peak hour factor : 0.97

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218010.PRN
Station : 000000021702
Identification : 009600650037
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : Harding Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	94	41	22	12	17	52	102	304	521	405	392	358
30	64	37	19	14	27	47	151	447	526	390	341	370
45	65	30	20	19	21	63	228	495	523	412	359	372
00	48	29	14	14	49	70	319	492	457	340	324	382
Hr Total	271	137	75	59	114	232	800	1738	2027	1547	1416	1482

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	330	396	358	411	439	468	430	405	358	289	264	195
30	321	325	375	396	461	443	433	383	324	313	201	166
45	332	395	407	424	434	476	351	362	302	248	193	118
00	362	348	410	414	438	462	439	351	249	230	176	115
Hr Total	1345	1464	1550	1645	1772	1849	1653	1501	1233	1080	834	594

24 Hour Total : 26418
AM peak hour begins : 07:45 AM peak volume : 2062 Peak hour factor : 0.98
PM peak hour begins : 17:00 PM peak volume : 1849 Peak hour factor : 0.97

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219010.PRN
Station : 000000021702
Identification : 009600650037
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : Harding Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	85	45	21	22	12	58	107	307	544	445	363	369
30	53	27	21	11	13	38	154	384	529	402	349	383
45	56	35	16	18	29	56	238	508	540	401	355	361
00	46	18	15	11	35	66	330	491	470	339	353	361
Hr Total	240	125	73	62	89	218	829	1690	2083	1587	1420	1474

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	387	396	366	400	431	430	429	426	391	323	254	195
30	369	362	336	437	431	450	472	366	367	294	225	167
45	375	410	447	420	441	479	426	405	299	290	230	125
00	310	400	386	412	435	452	421	380	298	271	201	105
Hr Total	1441	1568	1535	1669	1738	1811	1748	1577	1355	1178	910	592

24 Hour Total : 27012
AM peak hour begins : 07:45 AM peak volume : 2104 Peak hour factor : 0.97
PM peak hour begins : 17:30 PM peak volume : 1832 Peak hour factor : 0.96

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220010.PRN
Station : 000000021702
Identification : 009600650037
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Harding Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	98	49	27	28	19	47	96	321	536	444	399	354
30	81	37	24	13	16	42	161	419	568	340	339	361
45	53	27	22	12	28	57	220	491	517	418	379	374
00	49	31	16	13	39	86	316	486	441	378	367	405
Hr Total	281	144	89	66	102	232	793	1717	2062	1580	1484	1494

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	354	411	404	453	467	418	465	419	347	314	217	175
30	375	365	413	457	484	498	494	438	352	337	258	172
45	375	407	442	456	435	426	469	413	309	274	227	140
00	366	362	413	480	494	502	423	398	334	277	223	118
Hr Total	1470	1545	1672	1846	1880	1844	1851	1668	1342	1202	925	605

24 Hour Total : 27894
AM peak hour begins : 07:45 AM peak volume : 2107 Peak hour factor : 0.93
PM peak hour begins : 17:45 PM peak volume : 1930 Peak hour factor : 0.96

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221010.PRN
Station : 000000021702
Identification : 009600650037
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : Harding Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	118	59	33	19	24	47	110	304	545	473	400	382
30	91	63	31	23	28	56	140	446	555	395	410	398
45	74	60	25	25	33	63	231	476	514	386	407	374
00	45	36	34	24	43	82	310	526	481	371	408	405
Hr Total	328	218	123	91	128	248	791	1752	2095	1625	1625	1559

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	404	394	325	440	432	492	480	434	362	324	276	239
30	422	339	400	448	456	486	499	459	347	350	273	198
45	398	409	442	459	475	495	418	398	335	291	205	190
00	378	353	457	443	493	491	443	385	305	276	233	147
Hr Total	1602	1495	1624	1790	1856	1964	1840	1676	1349	1241	987	774

24 Hour Total : 28781
AM peak hour begins : 07:45 AM peak volume : 2140 Peak hour factor : 0.96
PM peak hour begins : 16:45 PM peak volume : 1966 Peak hour factor : 0.99

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222010.PRN
Station : 000000021702
Identification : 009600650037
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : Harding Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	162	75	56	36	25	43	91	127	209	280	289	305
30	127	68	48	31	33	42	87	160	187	280	283	328
45	128	68	27	31	32	45	112	181	211	265	348	326
00	79	45	33	22	38	61	157	193	260	272	297	330
Hr Total	496	256	164	120	128	191	447	661	867	1097	1217	1289

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	345	326	354	389	419	404	411	438	371	372	318	247
30	347	351	392	398	380	454	450	470	326	374	276	261
45	373	371	389	393	383	395	457	407	384	339	266	241
00	370	371	339	411	440	393	462	380	347	334	244	205
Hr Total	1435	1419	1474	1591	1622	1646	1780	1695	1428	1419	1104	954

24 Hour Total : 24500
AM peak hour begins : 11:30 AM peak volume : 1348 Peak hour factor : 0.90
PM peak hour begins : 18:30 PM peak volume : 1827 Peak hour factor : 0.97

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223010.PRN
Station : 000000021702
Identification : 009600650037
Start date : Feb 23, 14
Stop date : Feb 23, 14
City/Town : Bal Harbour, Florida
Location : Harding Avenue South of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 23 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	184	140	63	44	31	50	49	99	163	195	242	300
30	208	102	51	36	38	52	88	107	167	227	268	308
45	151	96	49	23	31	66	105	184	202	244	297	330
00	162	69	47	33	30	55	123	158	195	274	290	364
Hr Total	705	407	210	136	130	223	365	548	727	940	1097	1302

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	365	314	351	397	373	382	394	427	271	244	179	171
30	337	359	335	410	390	386	431	391	330	244	202	127
45	331	389	351	415	375	387	452	370	293	213	158	137
00	404	380	382	367	404	442	430	340	271	166	153	106
Hr Total	1437	1442	1419	1589	1542	1597	1707	1528	1165	867	692	541

24 Hour Total : 22316
AM peak hour begins : 11:30 AM peak volume : 1396 Peak hour factor : 0.96
PM peak hour begins : 18:15 PM peak volume : 1740 Peak hour factor : 0.96

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	27	11	10	5	5	17	44	100	231	216	210	231
30	27	13	9	6	6	15	53	157	286	213	185	196
45	11	13	10	4	7	31	104	203	326	220	217	236
00	17	8	4	6	18	39	133	221	240	193	185	178
Hr Total	82	45	33	21	36	102	334	681	1083	842	797	841

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	235	221	218	231	237	267	241	193	182	112	76	52
30	226	179	194	227	259	261	262	178	153	96	67	48
45	220	207	227	258	254	254	198	176	128	82	74	36
00	211	243	196	242	229	245	223	157	106	98	62	29
Hr Total	892	850	835	958	979	1027	924	704	569	388	279	165

24 Hour Total : 13467
AM peak hour begins : 08:00 AM peak volume : 1083 Peak hour factor : 0.83
PM peak hour begins : 17:00 PM peak volume : 1027 Peak hour factor : 0.96

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Feb 18 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	42	16	14	2	4	17	16	70	248	193	180	165
30	30	17	3	9	8	8	28	83	241	182	184	156
45	40	14	7	2	4	15	35	118	179	153	192	174
00	26	15	10	4	6	26	56	172	192	177	190	191
Hr Total	138	62	34	17	22	66	135	443	860	705	746	686

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	185	199	214	288	241	254	235	224	137	139	79	58
30	185	205	198	244	264	258	239	200	119	124	61	64
45	185	237	272	233	253	243	243	174	129	96	71	64
00	194	235	264	242	231	241	212	171	117	95	61	45
Hr Total	749	876	948	1007	989	996	929	769	502	454	272	231

24 Hour Total : 12636
AM peak hour begins : 08:00 AM peak volume : 860 Peak hour factor : 0.87
PM peak hour begins : 14:30 PM peak volume : 1068 Peak hour factor : 0.93

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	69	27	24	7	9	34	60	170	479	409	390	396
30	57	30	12	15	14	23	81	240	527	395	369	352
45	51	27	17	6	11	46	139	321	505	373	409	410
00	43	23	14	10	24	65	189	393	432	370	375	369
Hr Total	220	107	67	38	58	168	469	1124	1943	1547	1543	1527

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	420	420	432	519	478	521	476	417	319	251	155	110
30	411	384	392	471	523	519	501	378	272	220	128	112
45	405	444	499	491	507	497	441	350	257	178	145	100
00	405	478	460	484	460	486	435	328	223	193	123	74
Hr Total	1641	1726	1783	1965	1968	2023	1853	1473	1071	842	551	396

24 Hour Total : 26103
AM peak hour begins : 08:00 AM peak volume : 1943 Peak hour factor : 0.92
PM peak hour begins : 17:00 PM peak volume : 2023 Peak hour factor : 0.97

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	27	12	1	5	4	14	42	115	250	236	201	172
30	17	16	6	6	7	23	54	141	322	216	213	204
45	20	8	3	3	9	23	89	181	336	225	192	202
00	18	10	6	3	14	44	157	231	239	224	220	198
Hr Total	82	46	16	17	34	104	342	668	1147	901	826	776

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	255	197	280	207	246	258	228	198	172	111	68	57
30	220	206	315	284	217	229	243	192	143	114	70	42
45	231	194	200	238	255	229	239	156	142	97	77	38
00	202	176	250	188	254	252	193	154	126	95	51	33
Hr Total	908	773	1045	917	972	968	903	700	583	417	266	170

24 Hour Total : 13581
AM peak hour begins : 08:00 AM peak volume : 1147 Peak hour factor : 0.85
PM peak hour begins : 14:00 PM peak volume : 1045 Peak hour factor : 0.83

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Feb 19 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	44	19	12	8	6	15	25	81	268	206	160	182
30	39	17	9	6	6	17	36	82	250	179	142	155
45	35	9	7	5	1	18	27	118	212	173	153	186
00	24	13	9	4	7	23	46	174	221	184	163	177
Hr Total	142	58	37	23	20	73	134	455	951	742	618	700

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	173	153	198	201	230	231	226	200	132	157	96	65
30	178	205	201	195	248	243	244	178	146	133	78	65
45	183	210	197	185	228	216	203	164	127	124	78	50
00	166	221	196	224	232	230	213	167	128	103	68	56
Hr Total	700	789	792	805	938	920	886	709	533	517	320	236

24 Hour Total : 12098
AM peak hour begins : 08:00 AM peak volume : 951 Peak hour factor : 0.89
PM peak hour begins : 16:15 PM peak volume : 939 Peak hour factor : 0.95

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	71	31	13	13	10	29	67	196	518	442	361	354
30	56	33	15	12	13	40	90	223	572	395	355	359
45	55	17	10	8	10	41	116	299	548	398	345	388
00	42	23	15	7	21	67	203	405	460	408	383	375
Hr Total	224	104	53	40	54	177	476	1123	2098	1643	1444	1476

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	428	350	478	408	476	489	454	398	304	268	164	122
30	398	411	516	479	465	472	487	370	289	247	148	107
45	414	404	397	423	483	445	442	320	269	221	155	88
00	368	397	446	412	486	482	406	321	254	198	119	89
Hr Total	1608	1562	1837	1722	1910	1888	1789	1409	1116	934	586	406

24 Hour Total : 25679
AM peak hour begins : 08:00 AM peak volume : 2098 Peak hour factor : 0.92
PM peak hour begins : 16:30 PM peak volume : 1930 Peak hour factor : 0.99

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	17	8	9	7	17	51	125	268	237	196	189
30	21	12	5	3	7	15	68	173	307	212	182	199
45	11	7	1	4	11	23	79	174	329	201	178	190
00	19	13	2	3	19	51	156	238	217	231	198	205
Hr Total	85	49	16	19	44	106	354	710	1121	881	754	783

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	223	228	217	269	227	219	303	183	128	133	79	74
30	205	175	185	289	263	261	291	174	132	109	70	57
45	220	192	229	325	238	272	220	171	124	104	73	38
00	205	195	212	247	255	301	205	164	121	95	70	33
Hr Total	853	790	843	1130	983	1053	1019	692	505	441	292	202

24 Hour Total : 13725
AM peak hour begins : 07:45 AM peak volume : 1142 Peak hour factor : 0.87
PM peak hour begins : 17:30 PM peak volume : 1167 Peak hour factor : 0.96

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Feb 20 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	49	18	19	10	6	12	23	56	258	193	145	155
30	45	20	8	10	6	10	35	115	239	176	158	167
45	34	14	8	9	3	16	25	146	188	177	154	162
00	25	16	6	5	13	22	60	182	194	150	151	194
Hr Total	153	68	41	34	28	60	143	499	879	696	608	678

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	185	191	189	252	222	293	275	183	165	120	98	83
30	163	169	218	230	250	282	248	195	136	123	80	71
45	175	209	199	252	224	265	235	166	119	100	88	63
00	187	182	233	222	243	275	211	131	143	75	68	58
Hr Total	710	751	839	956	939	1115	969	675	563	418	334	275

24 Hour Total : 12431
AM peak hour begins : 08:00 AM peak volume : 879 Peak hour factor : 0.85
PM peak hour begins : 17:00 PM peak volume : 1115 Peak hour factor : 0.95

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	83	35	27	19	13	29	74	181	526	430	341	344
30	66	32	13	13	13	25	103	288	546	388	340	366
45	45	21	9	13	14	39	104	320	517	378	332	352
00	44	29	8	8	32	73	216	420	411	381	349	399
Hr Total	238	117	57	53	72	166	497	1209	2000	1577	1362	1461

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	408	419	406	521	449	512	578	366	293	253	177	157
30	368	344	403	519	513	543	539	369	268	232	150	128
45	395	401	428	577	462	537	455	337	243	204	161	101
00	392	377	445	469	498	576	416	295	264	170	138	91
Hr Total	1563	1541	1682	2086	1922	2168	1988	1367	1068	859	626	477

24 Hour Total : 26156
AM peak hour begins : 07:45 AM peak volume : 2009 Peak hour factor : 0.92
PM peak hour begins : 17:15 PM peak volume : 2234 Peak hour factor : 0.97

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	26	17	9	4	9	15	44	134	266	224	185	220
30	21	14	11	6	4	18	54	140	356	205	188	207
45	20	17	7	6	14	27	85	179	316	215	213	211
00	15	8	9	9	15	44	139	231	260	222	220	248
Hr Total	82	56	36	25	42	104	322	684	1198	866	806	886

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	231	237	175	285	238	281	239	161	146	124	96	75
30	236	190	192	306	264	266	243	188	113	126	89	57
45	228	177	324	318	295	259	210	158	117	98	72	56
00	205	159	297	245	262	283	209	161	115	111	66	48
Hr Total	900	763	988	1154	1059	1089	901	668	491	459	323	236

24 Hour Total : 14138
AM peak hour begins : 08:00 AM peak volume : 1198 Peak hour factor : 0.84
PM peak hour begins : 14:30 PM peak volume : 1212 Peak hour factor : 0.94

****

Feb 21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	58	14	12	8	11	12	22	67	278	184	188	172
30	43	17	15	5	9	12	30	77	263	180	179	193
45	44	25	15	9	12	15	37	137	201	150	172	174
00	31	12	10	4	15	25	53	168	180	166	206	169
Hr Total	176	68	52	26	47	64	142	449	922	680	745	708

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	177	208	241	276	235	230	242	214	124	127	90	83
30	179	202	224	278	275	258	221	177	139	116	79	81
45	159	235	260	248	248	221	204	152	113	111	90	89
00	174	235	288	230	239	250	205	143	115	87	85	69
Hr Total	689	880	1013	1032	997	959	872	686	491	441	344	322

24 Hour Total : 12805
AM peak hour begins : 08:00 AM peak volume : 922 Peak hour factor : 0.83
PM peak hour begins : 14:30 PM peak volume : 1102 Peak hour factor : 0.96

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221004.PRN
Station : 000000021705
Identification : 000058410136
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : 96th Street West of Bay Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	84	31	21	12	20	27	66	201	544	408	373	392
30	64	31	26	11	13	30	84	217	619	385	367	400
45	64	42	22	15	26	42	122	316	517	365	385	385
00	46	20	19	13	30	69	192	399	440	388	426	417
Hr Total	258	124	88	51	89	168	464	1133	2120	1546	1551	1594

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	408	445	416	561	473	511	481	375	270	251	186	158
30	415	392	416	584	539	524	464	365	252	242	168	138
45	387	412	584	566	543	480	414	310	230	209	162	145
00	379	394	585	475	501	533	414	304	230	198	151	117
Hr Total	1589	1643	2001	2186	2056	2048	1773	1354	982	900	667	558

24 Hour Total : 26943
AM peak hour begins : 08:00 AM peak volume : 2120 Peak hour factor : 0.86
PM peak hour begins : 14:30 PM peak volume : 2314 Peak hour factor : 0.99

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218007.PRN
Station : 000000021713
Identification : 000210749503
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : Collins Ave North of Intracoastal Bridge

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	112	43	28	19	15	21	53	186	257	264	272	267
30	82	41	12	10	16	36	74	170	302	259	249	290
45	73	27	23	13	20	39	117	241	289	249	305	250
00	68	33	20	13	17	44	91	241	301	263	279	265
Hr Total	335	144	83	55	68	140	335	838	1149	1035	1105	1072

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	336	298	303	353	432	499	454	439	312	215	176	168
30	298	289	327	471	436	500	496	398	218	251	171	150
45	302	295	363	378	472	534	439	326	212	227	184	161
00	309	311	322	403	462	534	449	275	194	195	168	126
Hr Total	1245	1193	1315	1605	1802	2067	1838	1438	936	888	699	605

24 Hour Total : 21990
AM peak hour begins : 08:15 AM peak volume : 1156 Peak hour factor : 0.96
PM peak hour begins : 17:00 PM peak volume : 2067 Peak hour factor : 0.97

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Feb 18 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	72	34	18	9	11	31	78	287	472	396	313	298
30	42	34	11	16	15	39	133	382	486	355	296	315
45	51	26	19	9	17	55	181	420	424	370	269	295
00	43	17	10	11	36	77	278	431	451	320	276	315
Hr Total	208	111	58	45	79	202	670	1520	1833	1441	1154	1223

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	276	311	351	323	360	341	358	305	262	243	214	166
30	284	341	326	296	327	390	331	334	287	258	171	123
45	323	313	379	332	353	372	357	325	243	225	155	92
00	390	253	310	343	370	378	343	304	231	201	159	82
Hr Total	1273	1218	1366	1294	1410	1481	1389	1268	1023	927	699	463

24 Hour Total : 22355
AM peak hour begins : 08:00 AM peak volume : 1833 Peak hour factor : 0.94
PM peak hour begins : 17:15 PM peak volume : 1498 Peak hour factor : 0.96

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218007.PRN
Station : 000000021713
Identification : 000210749503 Interval : 15 minutes
Start date : Feb 18, 14 Start time : 00:00
Stop date : Feb 18, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Ave North of Intracoastal Bridge

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Feb 18 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	184	77	46	28	26	52	131	473	729	660	585	565
30	124	75	23	26	31	75	207	552	788	614	545	605
45	124	53	42	22	37	94	298	661	713	619	574	545
00	111	50	30	24	53	121	369	672	752	583	555	580
Hr Total	543	255	141	100	147	342	1005	2358	2982	2476	2259	2295

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	612	609	654	676	792	840	812	744	574	458	390	334
30	582	630	653	767	763	890	827	732	505	509	342	273
45	625	608	742	710	825	906	796	651	455	452	339	253
00	699	564	632	746	832	912	792	579	425	396	327	208
Hr Total	2518	2411	2681	2899	3212	3548	3227	2706	1959	1815	1398	1068

24 Hour Total : 44345
AM peak hour begins : 08:00 AM peak volume : 2982 Peak hour factor : 0.95
PM peak hour begins : 17:00 PM peak volume : 3548 Peak hour factor : 0.97

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219007.PRN
Station : 000000021713
Identification : 000210749503 Interval : 15 minutes
Start date : Feb 19, 14 Start time : 00:00
Stop date : Feb 19, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Ave North of Intracoastal Bridge

****

Feb 19 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	101	53	28	14	6	21	49	148	237	318	277	292
30	88	47	15	14	9	29	90	184	295	252	275	270
45	70	36	18	18	22	33	97	215	268	298	284	315
00	76	16	17	11	15	58	129	241	314	286	290	307
Hr Total	335	152	78	57	52	141	365	788	1114	1154	1126	1184

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	336	314	326	394	402	548	499	422	256	242	171	191
30	261	337	244	384	478	515	491	346	302	263	189	159
45	317	337	438	407	498	521	438	317	247	225	200	139
00	336	299	314	440	509	488	461	290	223	181	198	147
Hr Total	1250	1287	1322	1625	1887	2072	1889	1375	1028	911	758	636

24 Hour Total : 22586
AM peak hour begins : 11:15 AM peak volume : 1228 Peak hour factor : 0.91
PM peak hour begins : 16:45 PM peak volume : 2093 Peak hour factor : 0.95

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Feb 19 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	64	38	22	12	14	33	93	265	491	376	274	300
30	38	22	17	9	16	38	139	347	477	387	289	269
45	54	24	14	14	23	51	208	446	467	354	319	344
00	32	13	15	9	26	64	276	442	471	320	336	314
Hr Total	188	97	68	44	79	186	716	1500	1906	1437	1218	1227

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	340	306	308	329	374	335	365	322	292	273	223	163
30	311	314	283	336	355	383	381	322	302	257	201	133
45	311	356	371	349	314	395	356	365	246	278	195	102
00	306	327	302	302	361	359	357	309	267	205	189	97
Hr Total	1268	1303	1264	1316	1404	1472	1459	1318	1107	1013	808	495

24 Hour Total : 22893
AM peak hour begins : 08:00 AM peak volume : 1906 Peak hour factor : 0.97
PM peak hour begins : 17:15 PM peak volume : 1502 Peak hour factor : 0.95

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219007.PRN
Station : 000000021713
Identification : 000210749503 Interval : 15 minutes
Start date : Feb 19, 14 Start time : 00:00
Stop date : Feb 19, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Ave North of Intracoastal Bridge

****

Feb 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	165	91	50	26	20	54	142	413	728	694	551	592
30	126	69	32	23	25	67	229	531	772	639	564	539
45	124	60	32	32	45	84	305	661	735	652	603	659
00	108	29	32	20	41	122	405	683	785	606	626	621
Hr Total	523	249	146	101	131	327	1081	2288	3020	2591	2344	2411

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	676	620	634	723	776	883	864	744	548	515	394	354
30	572	651	527	720	833	898	872	668	604	520	390	292
45	628	693	809	756	812	916	794	682	493	503	395	241
00	642	626	616	742	870	847	818	599	490	386	387	244
Hr Total	2518	2590	2586	2941	3291	3544	3348	2693	2135	1924	1566	1131

24 Hour Total : 45479
AM peak hour begins : 08:00 AM peak volume : 3020 Peak hour factor : 0.96
PM peak hour begins : 16:45 PM peak volume : 3567 Peak hour factor : 0.97

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220007.PRN
Station : 000000021713
Identification : 000210749503
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Collins Ave North of Intracoastal Bridge

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	132	61	27	18	17	20	50	152	265	252	239	270
30	99	42	25	21	16	47	74	165	284	280	259	299
45	85	47	26	16	20	38	119	241	306	293	272	306
00	62	38	23	26	18	44	122	195	305	294	303	275
Hr Total	378	188	101	81	71	149	365	753	1160	1119	1073	1150

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	342	274	331	388	436	484	502	419	216	243	208	183
30	331	349	343	401	465	520	453	394	234	284	200	191
45	298	314	352	468	459	504	409	290	227	208	184	168
00	356	288	340	437	464	527	453	278	238	187	191	189
Hr Total	1327	1225	1366	1694	1824	2035	1817	1381	915	922	783	731

24 Hour Total : 22608
AM peak hour begins : 11:30 AM peak volume : 1254 Peak hour factor : 0.92
PM peak hour begins : 17:15 PM peak volume : 2053 Peak hour factor : 0.97

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Feb 20 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	91	36	24	24	16	31	96	270	439	405	309	282
30	63	28	22	14	15	31	126	382	479	316	338	326
45	59	27	21	12	22	58	209	417	434	410	311	308
00	50	24	9	13	31	62	267	428	476	307	322	318
Hr Total	263	115	76	63	84	182	698	1497	1828	1438	1280	1234

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	316	323	326	394	391	383	377	340	254	242	208	136
30	295	280	355	319	309	366	383	361	320	222	205	138
45	345	304	363	347	385	392	377	316	247	220	206	110
00	334	288	316	374	370	368	339	299	264	213	168	117
Hr Total	1290	1195	1360	1434	1455	1509	1476	1316	1085	897	787	501

24 Hour Total : 23063
AM peak hour begins : 08:00 AM peak volume : 1828 Peak hour factor : 0.95
PM peak hour begins : 17:30 PM peak volume : 1520 Peak hour factor : 0.97

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

Volume Report with 24 Hour Totals

****

Data File : D0220007.PRN
Station : 000000021713
Identification : 000210749503
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Collins Ave North of Intracoastal Bridge

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	223	97	51	42	33	51	146	422	704	657	548	552
30	162	70	47	35	31	78	200	547	763	596	597	625
45	144	74	47	28	42	96	328	658	740	703	583	614
00	112	62	32	39	49	106	389	623	781	601	625	593
Hr Total	641	303	177	144	155	331	1063	2250	2988	2557	2353	2384

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	658	597	657	782	827	867	879	759	470	485	416	319
30	626	629	698	720	774	886	836	755	554	506	405	329
45	643	618	715	815	844	896	786	606	474	428	390	278
00	690	576	656	811	834	895	792	577	502	400	359	306
Hr Total	2617	2420	2726	3128	3279	3544	3293	2697	2000	1819	1570	1232

24 Hour Total : 45671
AM peak hour begins : 08:00 AM peak volume : 2988 Peak hour factor : 0.96
PM peak hour begins : 17:15 PM peak volume : 3556 Peak hour factor : 0.99

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221007.PRN
Station : 000000021713
Identification : 000210749503
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : Collins Ave North of Intracoastal Bridge

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	134	56	33	26	35	31	68	144	266	245	300	357
30	110	52	38	35	21	38	73	182	311	244	300	344
45	70	57	31	25	20	39	109	212	291	273	251	334
00	89	38	22	25	25	49	122	242	310	301	316	338
Hr Total	403	203	124	111	101	157	372	780	1178	1063	1167	1373

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	339	311	341	355	443	554	492	404	240	236	235	246
30	336	332	328	406	438	502	489	345	236	281	233	233
45	377	312	380	463	500	496	447	336	202	212	226	210
00	325	326	380	447	478	494	369	279	211	211	204	187
Hr Total	1377	1281	1429	1671	1859	2046	1797	1364	889	940	898	876

24 Hour Total : 23459
AM peak hour begins : 11:00 AM peak volume : 1373 Peak hour factor : 0.96
PM peak hour begins : 17:00 PM peak volume : 2046 Peak hour factor : 0.92

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Feb 21 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	86	54	36	19	18	31	85	262	489	406	314	304
30	84	54	24	20	28	50	119	397	504	388	349	317
45	68	53	16	20	28	59	191	387	434	361	294	313
00	37	31	29	21	32	81	286	453	470	367	376	340
Hr Total	275	192	105	80	106	221	681	1499	1897	1522	1333	1274

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	326	359	327	351	367	376	378	396	295	272	237	192
30	347	345	353	338	386	393	397	358	310	260	218	152
45	302	372	376	363	369	399	352	349	278	226	191	135
00	381	309	387	367	404	388	368	322	285	218	197	148
Hr Total	1356	1385	1443	1419	1526	1556	1495	1425	1168	976	843	627

24 Hour Total : 24404
AM peak hour begins : 08:00 AM peak volume : 1897 Peak hour factor : 0.94
PM peak hour begins : 16:45 PM peak volume : 1572 Peak hour factor : 0.97

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221007.PRN
Station : 000000021713
Identification : 000210749503 Interval : 15 minutes
Start date : Feb 21, 14 Start time : 00:00
Stop date : Feb 21, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Ave North of Intracoastal Bridge

****

Feb 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	220	110	69	45	53	62	153	406	755	651	614	661
30	194	106	62	55	49	88	192	579	815	632	649	661
45	138	110	47	45	48	98	300	599	725	634	545	647
00	126	69	51	46	57	130	408	695	780	668	692	678
Hr Total	678	395	229	191	207	378	1053	2279	3075	2585	2500	2647

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	665	670	668	706	810	930	870	800	535	508	472	438
30	683	677	681	744	824	895	886	703	546	541	451	385
45	679	684	756	826	869	895	799	685	480	438	417	345
00	706	635	767	814	882	882	737	601	496	429	401	335
Hr Total	2733	2666	2872	3090	3385	3602	3292	2789	2057	1916	1741	1503

24 Hour Total : 47863
AM peak hour begins : 08:00 AM peak volume : 3075 Peak hour factor : 0.94
PM peak hour begins : 16:45 PM peak volume : 3602 Peak hour factor : 0.97

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222007.PRN
Station : 000000021713
Identification : 000210749503
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : Collins Ave North of Intracoastal Bridge

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	174	110	75	41	53	39	44	96	142	170	261	279
30	154	90	49	56	51	46	55	90	146	208	268	299
45	137	75	55	51	35	35	64	124	190	222	258	277
00	105	57	44	43	48	50	95	147	173	249	293	297
Hr Total	570	332	223	191	187	170	258	457	651	849	1080	1152

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	309	318	325	315	377	371	366	366	320	354	288	244
30	312	361	341	377	357	389	366	333	338	344	277	260
45	327	313	295	341	361	405	410	369	311	330	293	254
00	322	305	329	362	335	387	363	314	292	315	246	223
Hr Total	1270	1297	1290	1395	1430	1552	1505	1382	1261	1343	1104	981

24 Hour Total : 21930
AM peak hour begins : 11:30 AM peak volume : 1195 Peak hour factor : 0.91
PM peak hour begins : 17:00 PM peak volume : 1552 Peak hour factor : 0.96

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Feb 22 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	120	68	48	28	24	35	72	101	190	220	219	259
30	98	56	46	29	20	31	83	144	159	284	243	264
45	112	45	26	25	29	37	125	167	212	187	250	269
00	73	36	32	19	44	68	135	164	249	272	268	279
Hr Total	403	205	152	101	117	171	415	576	810	963	980	1071

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	282	298	324	333	342	341	364	359	301	288	259	199
30	353	318	378	353	368	376	392	406	279	285	236	179
45	397	341	325	352	390	336	447	339	329	274	243	198
00	345	275	325	356	351	348	371	344	319	265	241	172
Hr Total	1377	1232	1352	1394	1451	1401	1574	1448	1228	1112	979	748

24 Hour Total : 21260
AM peak hour begins : 11:30 AM peak volume : 1183 Peak hour factor : 0.74
PM peak hour begins : 18:30 PM peak volume : 1583 Peak hour factor : 0.89

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222007.PRN
Station : 000000021713
Identification : 000210749503 Interval : 15 minutes
Start date : Feb 22, 14 Start time : 00:00
Stop date : Feb 22, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Ave North of Intracoastal Bridge

****

Feb 22 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	294	178	123	69	77	74	116	197	332	390	480	538
30	252	146	95	85	71	77	138	234	305	492	511	563
45	249	120	81	76	64	72	189	291	402	409	508	546
00	178	93	76	62	92	118	230	311	422	521	561	576
Hr Total	973	537	375	292	304	341	673	1033	1461	1812	2060	2223

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	591	616	649	648	719	712	730	725	621	642	547	443
30	665	679	719	730	725	765	758	739	617	629	513	439
45	724	654	620	693	751	741	857	708	640	604	536	452
00	667	580	654	718	686	735	734	658	611	580	487	395
Hr Total	2647	2529	2642	2789	2881	2953	3079	2830	2489	2455	2083	1729

24 Hour Total : 43190
AM peak hour begins : 11:30 AM peak volume : 2378 Peak hour factor : 0.82
PM peak hour begins : 17:45 PM peak volume : 3080 Peak hour factor : 0.90

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223007.PRN
Station : 000000021713
Identification : 000210749503 Interval : 15 minutes
Start date : Feb 23, 14 Start time : 00:00
Stop date : Feb 23, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Ave North of Intracoastal Bridge

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Feb 23 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	230	145	83	75	49	49	48	88	116	140	205	307
30	201	124	89	57	49	44	39	88	127	152	245	288
45	179	101	95	59	39	50	56	98	131	177	243	322
00	193	122	61	46	51	45	57	101	169	240	285	301
Hr Total	803	492	328	237	188	188	200	375	543	709	978	1218

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	309	340	388	410	357	364	409	330	265	231	203	154
30	357	351	329	371	354	357	373	376	237	228	185	139
45	327	371	334	362	360	363	360	288	202	169	165	136
00	358	374	357	376	374	342	370	219	190	199	161	140
Hr Total	1351	1436	1408	1519	1445	1426	1512	1213	894	827	714	569

24 Hour Total : 20573
AM peak hour begins : 11:30 AM peak volume : 1289 Peak hour factor : 0.90
PM peak hour begins : 15:00 PM peak volume : 1519 Peak hour factor : 0.93

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Feb 23 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	153	112	56	45	21	41	47	75	110	151	193	304
30	170	80	41	34	35	42	73	98	146	189	244	250
45	137	79	44	23	29	55	100	151	141	180	226	327
00	130	62	30	26	24	50	127	119	160	207	280	341
Hr Total	590	333	171	128	109	188	347	443	557	727	943	1222

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	316	254	328	442	319	367	345	332	254	239	175	135
30	293	265	317	331	365	403	354	300	288	242	163	98
45	282	361	334	381	372	361	440	345	263	209	131	105
00	357	341	340	344	324	390	423	314	263	199	142	87
Hr Total	1248	1221	1319	1498	1380	1521	1562	1291	1068	889	611	425

24 Hour Total : 19791
AM peak hour begins : 11:30 AM peak volume : 1277 Peak hour factor : 0.94
PM peak hour begins : 18:00 PM peak volume : 1562 Peak hour factor : 0.89

****

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

Volume Report with 24 Hour Totals

****

Data File : D0223007.PRN
Station : 000000021713
Identification : 000210749503 Interval : 15 minutes
Start date : Feb 23, 14 Start time : 00:00
Stop date : Feb 23, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Ave North of Intracoastal Bridge

****

Feb 23 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	383	257	139	120	70	90	95	163	226	291	398	611
30	371	204	130	91	84	86	112	186	273	341	489	538
45	316	180	139	82	68	105	156	249	272	357	469	649
00	323	184	91	72	75	95	184	220	329	447	565	642
Hr Total	1393	825	499	365	297	376	547	818	1100	1436	1921	2440

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	625	594	716	852	676	731	754	662	519	470	378	289
30	650	616	646	702	719	760	727	676	525	470	348	237
45	609	732	668	743	732	724	800	633	465	378	296	241
00	715	715	697	720	698	732	793	533	453	398	303	227
Hr Total	2599	2657	2727	3017	2825	2947	3074	2504	1962	1716	1325	994

24 Hour Total : 40364
AM peak hour begins : 11:30 AM peak volume : 2566 Peak hour factor : 0.99
PM peak hour begins : 18:00 PM peak volume : 3074 Peak hour factor : 0.96

****

3-DAY APPROACH COUNTS

APPROACH COUNTS ON COLLINS AVENUE AT BAL CROSS

	Location 1-1: Collins Av South of Bal Cross Dr (Approach at Collins & Bal Cross)								Location 1-2: Collins Av North of Bal Cross Dr (Approach @ Collins & Bal Cross)							
	Data File: D0218001		Data File: D0219001		Data File: D0220001		Average 3 Days		Data File: D0218011		Data File: D0219011		Data File: D0220011		Average 3 Days	
	Date: Feb 18, 14		Date: Feb 19, 14		Date: Feb 20, 14		Tue, Wed, Thu		Date: Feb 18, 14		Date: Feb 19, 14		Date: Feb 20, 14		Tue, Wed, Thu	
Time	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:15 AM	112		117		132		120			77		59		9		48
12:30 AM	81		85		109		92			44		44		3		30
12:45 AM	82		84		90		85			55		50		1		35
1:00 AM	86		74		64		75			42		29		0		24
1:15 AM	38		52		68		53			35		38		0		24
1:30 AM	39		50		52		47			30		29		0		20
1:45 AM	35		36		41		37			33		21		0		18
2:00 AM	34		18		46		33			10		13		0		8
2:15 AM	24		26		31		27			20		23		0		14
2:30 AM	15		17		36		23			11		15		0		9
2:45 AM	27		25		26		26			15		16		0		10
3:00 AM	18		23		37		26			10		17		0		9
3:15 AM	14		16		16		15			10		13		1		8
3:30 AM	14		20		27		20			13		11		1		8
3:45 AM	16		17		14		16			8		13		1		7
4:00 AM	17		12		28		19			16		9		1		9
4:15 AM	16		9		15		13			15		15		1		10
4:30 AM	18		12		18		16			19		17		2		13
4:45 AM	27		23		19		23			23		22		4		16
5:00 AM	21		17		18		19			35		31		2		23
5:15 AM	18		23		21		21			38		42		3		28
5:30 AM	36		36		34		35			53		41		5		33
5:45 AM	33		32		40		35			64		53		5		41
6:00 AM	50		53		48		50			73		67		4		48
6:15 AM	54		56		49		53			91		98		8		66
6:30 AM	81		90		83		85			148		151		3		101
6:45 AM	110		101		113		108			212		219		15		149
7:00 AM	110		130		126		122			267		276		25		189
7:15 AM	164		150		166		160			306		299		9		205
7:30 AM	173		182		169		175			372		353		44		256
7:45 AM	239		235		242		239			470		453		43		322
8:00 AM	217		222		235		225			441		467		45		318
8:15 AM	276		229		280		262			508		497		58		354
8:30 AM	302		302		282		295			464		465		50		326
8:45 AM	355		355		349		353			415		467		42		308
9:00 AM	305		330		315		317			460		484		75		340
9:15 AM	349		342		290		327			446		400		52		299
9:30 AM	338		272		271		294			394		421		44		286
9:45 AM	272		335		335		314			401		358		49		269
10:00 AM	281		311		312		301			348		363		38		250
10:15 AM	275		271		245		264			342		316		36		231
10:30 AM	261		291		261		271			321		282		42		215
10:45 AM	327		294		302		308			324		344		36		235
11:00 AM	327		310		319		319			291		354		42		229
11:15 AM	274		286		274		278			322		332		38		231
11:30 AM	314		293		293		300			351		326		46		241
11:45 AM	314		294		306		305			362		373		53		263
12:00 PM	328		316		301		315			328		368		60		252
12:15 PM	299		319		345		321			320		363		63		249
12:30 PM	295		282		354		310			330		375		47		251
12:45 PM	328		334		349		337			336		331		49		239
1:00 PM	283		322		312		306			439		323		54		272
1:15 PM	326		345		318		330			353		358		32		248
1:30 PM	275		299		352		309			327		341		28		232
1:45 PM	339		348		312		333			360		386		32		259
2:00 PM	327		318		299		315			297		346		20		221
2:15 PM	293		318		332		314			313		352		29		231
2:30 PM	338		359		324		340			332		186		48		189
2:45 PM	363		393		374		377			412		54		49		172
3:00 PM	325		403		398		375			385		36		47		156
3:15 PM	347		360		383		363			375		53		46		158
3:30 PM	348		408		422		393			342		53		182		192
3:45 PM	381		461		453		432			377		53		382		271
4:00 PM	410		420		447		426			375		33		399		269
4:15 PM	457		371		442		423			412		50		447		303
4:30 PM	473		486		445		468			347		54		352		251
4:45 PM	440		505		449		465			373		44		424		280
5:00 PM	466		524		461		484			380		51		399		277
5:15 PM	496		562		449		502			400		35		426		287
5:30 PM	529		521		515		522			357		55		424		279
5:45 PM	512		529		486		509			439		68		415		307
6:00 PM	491		470		535		499			399		43		423		288
6:15 PM	478		465		442		462			355		53		423		277
6:30 PM	470		493		462		475			350		55		398		268
6:45 PM	433		453		415		434			355		38		418		270
7:00 PM	451		463		425		446			369		29		368		255
7:15 PM	436		412		394		414			335		32		346		238
7:30 PM	406		380		404		397			322		36		391		250
7:45 PM	347		312		293		317			302		26		317		215
8:00 PM	296		295		278		290			322		32		291		215
8:15 PM	317		277		242		279			266		32		275		191
8:30 PM	253		304		255		271			271		26		290		196
8:45 PM	222		277		251		250			225		27		256		169
9:00 PM	200		246		242		229			250		23		267		180
9:15 PM	238		285		258		260			222		26		244		164
9:30 PM	287		279		323		296			238		16		204		153
9:45 PM	234		216		222		224			214		11		213		146
10:00 PM	188		209		216		204			198		14		218		143
10:15 PM	204		188		217		203			194		12		207		138
10:30 PM	193		210		215		206			160		15		195		123
10:45 PM	207		218		217		214			158		8		193		120
11:00 PM	179		209		215		201			138		5		173		105
11:15 PM	162		192		192		182			169		11		134		105
11:30 PM	164		163		178		168			120		12		131		88
11:45 PM	179		152		185		172			95		6		127		76
12:00 AM	129		158		190		159			80		5		96		60

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218011.PRN
Station : 000000021707
Identification : 000058410124 Interval : 15 minutes
Start date : Feb 18, 14 Start time : 00:00
Stop date : Feb 18, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Avenue North of Bal Cross Drive

****

Feb 18 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	77	35	20	10	15	38	91	306	508	446	342	322
30	44	30	11	13	19	53	148	372	464	394	321	351
45	55	33	15	8	23	64	212	470	415	401	324	362
00	42	10	10	16	35	73	267	441	460	348	291	328
Hr Total	218	108	56	47	92	228	718	1589	1847	1589	1278	1363

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	320	353	313	375	412	400	355	335	266	222	194	169
30	330	327	332	342	347	357	350	322	271	238	160	120
45	336	360	412	377	373	439	355	302	225	214	158	95
00	439	297	385	375	380	399	369	322	250	198	138	80
Hr Total	1425	1337	1442	1469	1512	1595	1429	1281	1012	872	650	464

24 Hour Total : 23621
AM peak hour begins : 07:30 AM peak volume : 1883 Peak hour factor : 0.93
PM peak hour begins : 17:00 PM peak volume : 1595 Peak hour factor : 0.91

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219011.PRN
Station : 000000021707
Identification : 000058410124 Interval : 15 minutes
Start date : Feb 19, 14 Start time : 00:00
Stop date : Feb 19, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Avenue North of Bal Cross Drive

****

Feb 19 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	59	38	23	13	15	42	98	299	497	400	316	332
30	44	29	15	11	17	41	151	353	465	421	282	326
45	50	21	16	13	22	53	219	453	467	358	344	373
00	29	13	17	9	31	67	276	467	484	363	354	368
Hr Total	182	101	71	46	85	203	744	1572	1913	1542	1296	1399

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	363	358	352	53	50	35	53	32	32	26	12	11
30	375	341	186	53	54	55	55	36	26	16	15	12
45	331	386	54	53	44	68	38	26	27	11	8	6
00	323	346	36	33	51	43	29	32	23	14	5	5
Hr Total	1392	1431	628	192	199	201	175	126	108	67	40	34

24 Hour Total : 13747
AM peak hour begins : 08:00 AM peak volume : 1913 Peak hour factor : 0.96
PM peak hour begins : 13:00 PM peak volume : 1431 Peak hour factor : 0.93

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220011.PRN
Station : 000000021707
Identification : 000058410124
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue North of Bal Cross Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Southbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	9	0	0	1	1	3	8	9	58	52	36	38
30	3	0	0	1	2	5	3	44	50	44	42	46
45	1	0	0	1	4	5	15	43	42	49	36	53
00	0	0	0	1	2	4	25	45	75	38	42	60
Hr Total	13	0	0	4	9	17	51	141	225	183	156	197

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	63	32	29	46	447	426	423	346	275	244	207	134
30	47	28	48	182	352	424	398	391	290	204	195	131
45	49	32	49	382	424	415	418	317	256	213	193	127
00	54	20	47	399	399	423	368	291	267	218	173	96
Hr Total	213	112	173	1009	1622	1688	1607	1345	1088	879	768	488

24 Hour Total : 11988
AM peak hour begins : 08:00 AM peak volume : 225 Peak hour factor : 0.75
PM peak hour begins : 17:00 PM peak volume : 1688 Peak hour factor : 0.99

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218001.PRN
Station : 000000021708
Identification : 000110252028
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of Bal Cross Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	112	38	24	14	16	18	54	164	276	349	275	274
30	81	39	15	14	18	36	81	173	302	338	261	314
45	82	35	27	16	27	33	110	239	355	272	327	314
00	86	34	18	17	21	50	110	217	305	281	327	328
Hr Total	361	146	84	61	82	137	355	793	1238	1240	1190	1230

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	299	326	293	347	457	496	478	436	317	238	204	162
30	295	275	338	348	473	529	470	406	253	287	193	164
45	328	339	363	381	440	512	433	347	222	234	207	179
00	283	327	325	410	466	491	451	296	200	188	179	129
Hr Total	1205	1267	1319	1486	1836	2028	1832	1485	992	947	783	634

24 Hour Total : 22731
AM peak hour begins : 08:30 AM peak volume : 1347 Peak hour factor : 0.95
PM peak hour begins : 17:00 PM peak volume : 2028 Peak hour factor : 0.96

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219001.PRN
Station : 000000021708
Identification : 000110252028 Interval : 15 minutes
Start date : Feb 19, 14 Start time : 00:00
Stop date : Feb 19, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Collins Avenue South of Bal Cross Drive

****

Feb 19 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	117	52	26	16	9	23	56	150	229	342	271	286
30	85	50	17	20	12	36	90	182	302	272	291	293
45	84	36	25	17	23	32	101	235	355	335	294	294
00	74	18	23	12	17	53	130	222	330	311	310	316
Hr Total	360	156	91	65	61	144	377	789	1216	1260	1166	1189

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	319	345	318	360	371	562	465	412	277	285	188	192
30	282	299	359	408	486	521	493	380	304	279	210	163
45	334	348	393	461	505	529	453	312	277	216	218	152
00	322	318	403	420	524	470	463	295	246	209	209	158
Hr Total	1257	1310	1473	1649	1886	2082	1874	1399	1104	989	825	665

24 Hour Total : 23387
AM peak hour begins : 08:15 AM peak volume : 1329 Peak hour factor : 0.94
PM peak hour begins : 16:45 PM peak volume : 2136 Peak hour factor : 0.95

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220001.PRN
Station : 000000021708
Identification : 000110252028
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Collins Avenue South of Bal Cross Drive

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Northbound Volume

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	132	68	31	16	15	21	49	166	280	290	245	274
30	109	52	36	27	18	34	83	169	282	271	261	293
45	90	41	26	14	19	40	113	242	349	335	302	306
00	64	46	37	28	18	48	126	235	315	312	319	301
Hr Total	395	207	130	85	70	143	371	812	1226	1208	1127	1174

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	345	318	332	383	442	449	442	394	242	258	217	192
30	354	352	324	422	445	515	462	404	255	323	215	178
45	349	312	374	453	449	486	415	293	251	222	217	185
00	312	299	398	447	461	535	425	278	242	216	215	190
Hr Total	1360	1281	1428	1705	1797	1985	1744	1369	990	1019	864	745

24 Hour Total : 23235
AM peak hour begins : 11:30 AM peak volume : 1306 Peak hour factor : 0.92
PM peak hour begins : 17:00 PM peak volume : 1985 Peak hour factor : 0.93

****

5-DAY COUNTS AT BAL HARBOUR SHOPS DRIVEWAYS

Bal Harbour, Florida 'Dade 'Bal Harbour Shops North of 96th Street

File: D0218005			File: D0219005			File: D0220005			File: D0221005			File: D0222005			File: D0223005			Average Tue, Wed, & Thu		
Date: Feb 18, 2014			Date: Feb 19, 2014			Date: Feb 20, 2014			Date: Feb 21, 2014			Date: Feb 22, 2014			Date: Feb 23, 2014					
Time	Enter/NB	Exit/SB	Time	Enter/NB	Exit/SB	Time	Enter/NB	Exit/SB	Time	Enter/NB	Exit/SB	Time	Enter/NB	Exit/SB	Time	Enter/NB	Exit/SB	Time	Enter/NB	Exit/SB
12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0
12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0
12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	3	12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	0
1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0
1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0
1:30 AM	0	0	1:30 AM	0	2	1:30 AM	0	0	1:30 AM	0	0	1:30 AM	0	0	1:30 AM	0	2	1:30 AM	0	1
1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0
2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0
2:15 AM	0	0	2:15 AM	0	1	2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0
2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	5	2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	2
2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0
3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0
3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0
3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0
3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0
4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0
4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0
4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0
4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0
5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0
5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	3	5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	0
5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0
5:45 AM	0	2	5:45 AM	0	0	5:45 AM	2	0	5:45 AM	0	0	5:45 AM	0	0	5:45 AM	0	0	5:45 AM	1	1
6:00 AM	1	3	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	1
6:15 AM	0	5	6:15 AM	0	2	6:15 AM	2	0	6:15 AM	1	0	6:15 AM	1	0	6:15 AM	0	0	6:15 AM	1	2
6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0
6:45 AM	0	1	6:45 AM	0	0	6:45 AM	0	0	6:45 AM	0	0	6:45 AM	1	2	6:45 AM	0	0	6:45 AM	0	0
7:00 AM	0	4	7:00 AM	2	4	7:00 AM	2	1	7:00 AM	1	0	7:00 AM	0	3	7:00 AM	1	2	7:00 AM	1	3
7:15 AM	0	5	7:15 AM	0	3	7:15 AM	0	11	7:15 AM	3	6	7:15 AM	0	3	7:15 AM	1	2	7:15 AM	0	6
7:30 AM	0	5	7:30 AM	0	2	7:30 AM	0	6	7:30 AM	0	1	7:30 AM	0	0	7:30 AM	1	3	7:30 AM	0	4
7:45 AM	0	0	7:45 AM	0	0	7:45 AM	0	3	7:45 AM	2	4	7:45 AM	0	1	7:45 AM	3	2	7:45 AM	0	1
8:00 AM	7	2	8:00 AM	4	11	8:00 AM	5	4	8:00 AM	6	10	8:00 AM	0	4	8:00 AM	6	0	8:00 AM	5	6
8:15 AM	6	5	8:15 AM	10	6	8:15 AM	11	4	8:15 AM	15	9	8:15 AM	9	5	8:15 AM	5	4	8:15 AM	9	5
8:30 AM	12	7	8:30 AM	15	10	8:30 AM	15	5	8:30 AM	18	8	8:30 AM	11	3	8:30 AM	4	2	8:30 AM	14	7
8:45 AM	27	5	8:45 AM	28	15	8:45 AM	26	13	8:45 AM	14	6	8:45 AM	17	3	8:45 AM	15	4	8:45 AM	27	11
9:00 AM	34	13	9:00 AM	46	10	9:00 AM	41	7	9:00 AM	45	4	9:00 AM	48	13	9:00 AM	11	3	9:00 AM	40	10
9:15 AM	52	7	9:15 AM	39	13	9:15 AM	50	8	9:15 AM	45	9	9:15 AM	23	10	9:15 AM	2	8	9:15 AM	47	9
9:30 AM	39	9	9:30 AM	45	13	9:30 AM	44	15	9:30 AM	50	12	9:30 AM	44	10	9:30 AM	4	2	9:30 AM	43	12
9:45 AM	42	10	9:45 AM	38	12	9:45 AM	31	8	9:45 AM	40	11	9:45 AM	21	8	9:45 AM	6	3	9:45 AM	37	10
10:00 AM	32	15	10:00 AM	43	12	10:00 AM	35	14	10:00 AM	50	11	10:00 AM	30	10	10:00 AM	23	6	10:00 AM	37	14
10:15 AM	22	19	10:15 AM	23	11	10:15 AM	24	17	10:15 AM	26	11	10:15 AM	24	2	10:15 AM	17	2	10:15 AM	23	16
10:30 AM	17	16	10:30 AM	19	17	10:30 AM	20	16	10:30 AM	20	18	10:30 AM	12	10	10:30 AM	41	4	10:30 AM	19	16
10:45 AM	22	20	10:45 AM	24	21	10:45 AM	29	14	10:45 AM	26	26	10:45 AM	24	13	10:45 AM	38	11	10:45 AM	25	18
11:00 AM	19	10	11:00 AM	30	19	11:00 AM	35	23	11:00 AM	34	27	11:00 AM	31	14	11:00 AM	40	15	11:00 AM	28	17
11:15 AM	26	19	11:15 AM	38	15	11:15 AM	34	11	11:15 AM	27	27	11:15 AM	30	12	11:15 AM	36	7	11:15 AM	33	15
11:30 AM	18	14	11:30 AM	16	21	11:30 AM	29	21	11:30 AM	25	23	11:30 AM	28	12	11:30 AM	60	10	11:30 AM	21	19
11:45 AM	31	14	11:45 AM	34	21	11:45 AM	34	15	11:45 AM	41	26	11:45 AM	38	13	11:45 AM	55	32	11:45 AM	33	17
12:00 PM	31	14	12:00 PM	36	25	12:00 PM	35	29	12:00 PM	47	20	12:00 PM	38	19	12:00 PM	55	21	12:00 PM	34	23
12:15 PM	37	8	12:15 PM	49	13	12:15 PM	57	13	12:15 PM	50	24	12:15 PM	54	26	12:15 PM	23	12	12:15 PM	48	11
12:30 PM	38	21	12:30 PM	51	23	12:30 PM	52	21	12:30 PM	67	17	12:30 PM	57	25	12:30 PM	20	13	12:30 PM	47	22
12:45 PM	49	14	12:45 PM	63	23	12:45 PM	53	26	12:45 PM	59	34	12:45 PM	41	17	12:45 PM	19	18	12:45 PM	55	21
1:00 PM	58	20	1:00 PM	52	19	1:00 PM	55	22	1:00 PM	54	35	1:00 PM	62	12	1:00 PM	25	15	1:00 PM	55	20
1:15 PM	43	30	1:15 PM	37	20	1:15 PM	46	42	1:15 PM	41	23	1:15 PM	43	18	1:15 PM	17	18	1:15 PM	42	31
1:30 PM	30	30	1:30 PM	32	22	1:30 PM	26	26	1:30 PM	30	31	1:30 PM	45	33	1:30 PM	25	19	1:30 PM	29	26
1:45 PM	29	31	1:45 PM	34	36	1:45 PM	23	17	1:45 PM	33	29	1:45 PM	38	23	1:45 PM	22	24	1:45 PM	29	28
2:00 PM	28	30	2:00 PM	21	35	2:00 PM	23	37	2:00 PM	35	29	2:00 PM	31	17	2:00 PM	24	23	2:00 PM	24	34
2:15 PM	18	31	2:15 PM	22	33	2:15 PM	22	34	2:15 PM	34	40	2:15 PM	31	25	2:15 PM	35	21	2:15 PM	21	33
2:30 PM	20	31	2:30 PM	35	28	2:30 PM	17	32	2:30 PM	25	49	2:30 PM	23	27	2:30 PM	28	20	2:30 PM	24	30
2:45 PM	23	21	2:45 PM	11	39	2:45 PM	17	33	2:45 PM	30	41	2:45 PM	24	21	2:45 PM	22	20	2:45 PM	17	31
3:00 PM	17	34	3:00 PM	23	44	3:00 PM	27	44	3:00 PM	30	32	3:00 PM	28	23	3:00 PM	21	30	3:00 PM	22	41
3:15 PM	21	44	3:15 PM	30	28	3:15 PM	29	35	3:15 PM	25	60	3:15 PM	23	33	3:15 PM	25	22	3:15 PM	27	36
3:30 PM	11	31	3:30 PM	30	35	3:30 PM	11	29	3:30 PM	14	27	3:30 PM	24	35	3:30 PM	25	24	3:30 PM	17	32
3:45 PM	20	27	3:45 PM	14	41	3:45 PM	25	33	3:45 PM	33	42	3:45 PM	21	29	3:45 PM	14	27	3:45 PM	20	34
4:00 PM	24	28	4:00 PM	20	30	4:00 PM	28	37	4:00 PM	27	34	4:00 PM	19	37	4:00 PM	24	32	4:00 PM	24	32
4:15 PM	22	48	4:15 PM	15	33	4:15 PM	18	31	4:15 PM	19	41	4:15 PM	26	44	4:15 PM	11	28	4:15 PM	18	37
4:30 PM	18	30	4:30 PM	18	42	4:30 PM	24	36	4:30 PM	26	26	4:30 PM	24	39	4:30 PM	14	31	4:30 PM	20	36
4:45 PM	22	25	4:45 PM	16	29	4:45 PM	16	38	4:45 PM	23	33	4:45 PM	18	39	4:45 PM	14	33	4:45 PM	18	31
5:00 PM	22	19	5:00 PM	27	26	5:00 PM	29	31	5:00 PM	25	50	5:00 PM	35	36	5:00 PM	18	30	5:00 PM	26	25
5:15 PM	21	39	5:15 PM	20	27	5:15 PM	23	44	5:15 PM	34	39	5:15 PM	18	52	5:15 PM	18	22	5:15 PM	21	37
5:30 PM	22	39	5:30 PM	25	33	5:30 PM	21	40	5:30 PM	20	37	5:30 PM	19	39	5:30 PM	15	31	5:30 PM	23	37
5:45 PM	20	37	5:45 PM	30	42	5:45 PM	21	45	5:45 PM	23	41	5:45 PM	17	37	5:45 PM	12	35	5:45 PM	24	41
6:00 PM	23	39	6:00 PM	20	33	6:00 PM	38	36	6:00 PM	28	47	6:00 PM	30	35	6:00 PM	17	32	6:00 PM	27	36
6:15 PM	13	59	6:15 PM	21	62	6:15 PM	27	60	6:15 PM	21	63	6:15 PM	18	75	6:15 PM	7	63	6:15 PM	20	60
6:30 PM	17	43	6:30 PM	23	53	6:30 PM	15	41	6:30 PM	14	43	6:30 PM	14	49	6:30 PM	17	75	6:30 PM	18	46
6:45 PM	13	48	6:45 PM	32	36	6:45 PM	17	48	6:45 PM	24	40	6:45 PM	20	44	6:45 PM	16	68	6:45 PM	21	44
7:00 PM	13	20	7:00 PM	26	35	7:00 PM	12	34	7:00 PM	26	25	7:00 PM	20	29	7:00 PM	4	31	7:00 PM	17	30
7:15 PM	14	34	7:15 PM	25	38	7:15 PM	15	28	7:15 PM	20	31	7:15 PM	19	44	7:15 PM	11	76	7:15 PM	18	33
7:30 PM	11	29	7:30 PM	15	31	7:30 PM	21	26	7:30 PM	24	20	7:30 PM	19	21	7:30 PM	5	43	7:30 PM	16	29
7:45 PM	17	33	7:45 PM	11	32	7:45 PM	15	35	7:45 PM	12	29	7:45 PM	10	20	7:45 PM	11	22	7:45 PM	14	33
8:00 PM	13	29	8:00 PM	8	32	8:00 PM	21	25	8:00 PM	8	33	8:00 PM	16	22	8:00 PM	12	5	8:00 PM	14	29
8:15 PM	16	21	8:15 PM	12	45	8:15 PM	12	28	8:15 PM	7	34	8:15 PM	10	36	8:15 PM	0	0	8:15 PM	13	31
8:30 PM	9	13	8:30 PM	5	33	8:30 PM	10	25	8:30 PM	6	32	8:30 PM	11	17	8:30 PM	1	0	8:30 PM	8	24
8:45 PM	6	16	8:45 PM	9	23	8:45 PM	5	14	8:45 PM	6	21	8:45 PM	5	26	8:45 PM	2	0	8:45 PM	7	18
9:00 PM	7	21	9:00 PM	11	25	9:00 PM	13	33	9:00 PM	12	23	9:00 PM	8	28	9:00 PM	0	2	9:00 PM	10	26
9:15 PM	16	87	9:15 PM	8	95	9:15 PM	8	85	9:15 PM	15	103	9:15 PM	22	79	9:15 PM	0	0	9:15 PM	11	89
9:30 PM	2	74	9:30 PM	7	82	9:30 PM	3	84	9:30 PM	6	69	9:30 PM	5	106	9:30 PM	0	0	9:30 PM	4	80
9:45 PM	5	31	9:45 PM	3	35	9:45 PM	3	43	9:45 PM	4	34	9:45 PM	7	38	9:45 PM	0	0	9:45 PM	4	36
10:00 PM	4	10	10:00 PM	2	9	10:00 PM	1	15	10:00 PM	0	10	10:00 PM	6	17	10:00 PM	0	0	10:00 PM	2	11
10:15 PM	0	2	10:15 PM	3	2	10:15 PM	1	3	10:15 PM	0	0	10:15 PM	3	0	10:15 PM	0	0	10:15 PM	1	2
10:30 PM	0	0	10:30 PM	0	0	10:30 PM	0	4	10:30 PM	1	2	10:30 PM	2	2	10:30 PM	0	0	10:30 PM	0	1
10:45 PM	2	2	10:45 PM	1	0	10:45 PM	0	0	10:45 PM	2	1	10:45 PM	0	0	10:45 PM	0	0	10:45 PM	1	1
11:00 PM	0	0	11:00 PM	0	0	11:00 PM	0	0	11:00 PM	0	0	11:00 PM	0	0	11:00 PM	0	0	11:00 PM	0	0
11:15 PM	0	1	11:15 PM	0	0	11:15 PM	0	0	11:15 PM	0	0	11:15 PM	0	0	11:15 PM	0	0	11:15 PM	0	0
11:30 PM	0	0	11:30 PM	0	0	11:30 PM	0	0	11:30 PM	0	0	11:30 PM	0	1	11:30 PM	0	0	11:30 PM	0	0
11:45 PM	2	0	11:45 PM	0	0	11:45 PM	0	0	11:45 PM	0	0	11:45 PM	0	0	11:45 PM	0	0	11:45 PM	1	0
12:00 AM	0	0	12:00 AM	1	0	12:00 AM	0	0	12:00 AM	0	0	12:00 AM	0	0	12:00 AM	0	0	12:00 AM	0	0

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218005.PRN
Station : 000000021703
Identification : 000411638017 Interval : 15 minutes
Start date : Feb 18, 14 Start time : 00:00
Stop date : Feb 18, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Bal Harbour Shops North of 96th Street

****

Feb 18 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	6	52	22	26
30	0	0	0	0	0	0	0	0	12	39	17	18
45	0	0	0	0	0	0	0	0	27	42	22	31
00	0	0	0	0	0	1	0	7	34	32	19	31
Hr Total	0	0	0	0	0	1	0	7	79	165	80	106

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	37	43	18	21	22	21	13	14	16	16	0	0
30	38	30	20	11	18	22	17	11	9	2	0	0
45	49	29	23	20	22	20	13	17	6	5	2	2
00	58	28	17	24	22	23	13	13	7	4	0	0
Hr Total	182	130	78	76	84	86	56	55	38	27	2	2

24 Hour Total : 1254
AM peak hour begins : 08:45 AM peak volume : 167 Peak hour factor : 0.80
PM peak hour begins : 12:15 PM peak volume : 188 Peak hour factor : 0.81

****

Feb 18 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	5	5	5	7	19	19
30	0	0	0	0	0	0	0	5	7	9	16	14
45	0	0	0	0	0	2	1	0	5	10	20	14
00	0	0	0	0	0	3	4	2	13	15	10	14
Hr Total	0	0	0	0	0	5	10	12	30	41	65	61

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	8	30	31	44	48	39	59	34	21	87	2	1
30	21	30	31	31	30	39	43	29	13	74	0	0
45	14	31	21	27	25	37	48	33	16	31	2	0
00	20	30	34	28	19	39	20	29	21	10	0	0
Hr Total	63	121	117	130	122	154	170	125	71	202	4	1

24 Hour Total : 1504
AM peak hour begins : 09:45 AM peak volume : 70 Peak hour factor : 0.88
PM peak hour begins : 20:45 PM peak volume : 213 Peak hour factor : 0.61

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	5	5	11	59	41	45
30	0	0	0	0	0	0	0	5	19	48	33	32
45	0	0	0	0	0	2	1	0	32	52	42	45
00	0	0	0	0	0	4	4	9	47	47	29	45
Hr Total	0	0	0	0	0	6	10	19	109	206	145	167

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	45	73	49	65	70	60	72	48	37	103	2	1
30	59	60	51	42	48	61	60	40	22	76	0	0
45	63	60	44	47	47	57	61	50	22	36	4	2
00	78	58	51	52	41	62	33	42	28	14	0	0
Hr Total	245	251	195	206	206	240	226	180	109	229	6	3

24 Hour Total : 2758
AM peak hour begins : 08:45 AM peak volume : 206 Peak hour factor : 0.87
PM peak hour begins : 12:30 PM peak volume : 274 Peak hour factor : 0.88

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	10	39	23	38
30	0	0	0	0	0	0	0	0	15	45	19	16
45	0	0	0	0	0	0	0	0	28	38	24	34
00	0	0	0	0	0	0	2	4	46	43	30	36
Hr Total	0	0	0	0	0	0	2	4	99	165	96	124

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	49	37	22	30	15	20	21	25	12	8	3	0
30	51	32	35	30	18	25	23	15	5	7	0	0
45	63	34	11	14	16	30	32	11	9	3	1	0
00	52	21	23	20	27	20	26	8	11	2	0	1
Hr Total	215	124	91	94	76	95	102	59	37	20	4	1

24 Hour Total : 1408
AM peak hour begins : 11:30 AM peak volume : 170 Peak hour factor : 0.67
PM peak hour begins : 12:00 PM peak volume : 215 Peak hour factor : 0.85

****

Feb 19 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	1	0	0	0	2	3	6	13	11	15
30	0	2	0	0	0	0	0	2	10	13	17	21
45	0	0	0	0	0	0	0	0	15	12	21	21
00	0	0	0	0	0	0	4	11	10	12	19	25
Hr Total	0	2	1	0	0	0	6	16	41	50	68	82

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	13	20	33	28	33	27	62	38	45	95	2	0
30	23	22	28	35	42	33	53	31	33	82	0	0
45	23	36	39	41	29	42	36	32	23	35	0	0
00	19	35	44	30	26	33	35	32	25	9	0	0
Hr Total	78	113	144	134	130	135	186	133	126	221	2	0

24 Hour Total : 1668
AM peak hour begins : 11:00 AM peak volume : 82 Peak hour factor : 0.82
PM peak hour begins : 20:45 PM peak volume : 237 Peak hour factor : 0.62

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	1	0	0	0	2	3	16	52	34	53
30	0	2	0	0	0	0	0	2	25	58	36	37
45	0	0	0	0	0	0	0	0	43	50	45	55
00	0	0	0	0	0	0	6	15	56	55	49	61
Hr Total	0	2	1	0	0	0	8	20	140	215	164	206

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	62	57	55	58	48	47	83	63	57	103	5	0
30	74	54	63	65	60	58	76	46	38	89	0	0
45	86	70	50	55	45	72	68	43	32	38	1	0
00	71	56	67	50	53	53	61	40	36	11	0	1
Hr Total	293	237	235	228	206	230	288	192	163	241	6	1

24 Hour Total : 3076
AM peak hour begins : 11:30 AM peak volume : 252 Peak hour factor : 0.73
PM peak hour begins : 12:00 PM peak volume : 293 Peak hour factor : 0.85

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	2	0	11	50	24	34
30	0	0	0	0	0	0	0	0	15	44	20	29
45	0	0	0	0	0	2	0	0	26	31	29	34
00	0	0	0	0	0	0	2	5	41	35	35	35
Hr Total	0	0	0	0	0	2	4	5	93	160	108	132

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	57	46	22	29	18	23	27	15	12	8	1	0
30	52	26	17	11	24	21	15	21	10	3	0	0
45	53	23	17	25	16	21	17	15	5	3	0	0
00	55	23	27	28	29	38	12	21	13	1	0	0
Hr Total	217	118	83	93	87	103	71	72	40	15	1	0

24 Hour Total : 1404
AM peak hour begins : 11:30 AM peak volume : 178 Peak hour factor : 0.78
PM peak hour begins : 12:00 PM peak volume : 217 Peak hour factor : 0.95

****

Feb 20 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	11	4	8	17	11
30	0	0	5	0	0	0	0	6	5	15	16	21
45	0	0	0	0	0	0	0	3	13	8	14	15
00	0	0	0	0	0	0	1	4	7	14	23	29
Hr Total	0	0	5	0	0	0	1	24	29	45	70	76

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	13	42	34	35	31	44	60	28	28	85	3	0
30	21	26	32	29	36	40	41	26	25	84	4	0
45	26	17	33	33	38	45	48	35	14	43	0	0
00	22	37	44	37	31	36	34	25	33	15	0	0
Hr Total	82	122	143	134	136	165	183	114	100	227	7	0

24 Hour Total : 1663
AM peak hour begins : 11:15 AM peak volume : 78 Peak hour factor : 0.67
PM peak hour begins : 20:45 PM peak volume : 245 Peak hour factor : 0.72

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	2	11	15	58	41	45
30	0	0	5	0	0	0	0	6	20	59	36	50
45	0	0	0	0	0	2	0	3	39	39	43	49
00	0	0	0	0	0	0	3	9	48	49	58	64
Hr Total	0	0	5	0	0	2	5	29	122	205	178	208

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	70	88	56	64	49	67	87	43	40	93	4	0
30	73	52	49	40	60	61	56	47	35	87	4	0
45	79	40	50	58	54	66	65	50	19	46	0	0
00	77	60	71	65	60	74	46	46	46	16	0	0
Hr Total	299	240	226	227	223	268	254	186	140	242	8	0

24 Hour Total : 3067
AM peak hour begins : 11:30 AM peak volume : 256 Peak hour factor : 0.81
PM peak hour begins : 12:15 PM peak volume : 317 Peak hour factor : 0.90

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	1	3	15	45	26	27
30	0	0	0	0	0	0	0	0	18	50	20	25
45	0	0	0	0	0	0	0	2	14	40	26	41
00	0	0	0	0	0	0	1	6	45	50	34	47
Hr Total	0	0	0	0	0	0	2	11	92	185	106	140

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	50	41	34	25	19	34	21	20	7	15	0	0
30	67	30	25	14	26	20	14	24	6	6	1	0
45	59	33	30	33	23	23	24	12	6	4	2	0
00	54	35	30	27	25	28	26	8	12	0	0	0
Hr Total	230	139	119	99	93	105	85	64	31	25	3	0

24 Hour Total : 1529
AM peak hour begins : 11:30 AM peak volume : 205 Peak hour factor : 0.76
PM peak hour begins : 12:00 PM peak volume : 230 Peak hour factor : 0.86

****

Feb 21 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	3	0	6	9	9	11	27
30	0	0	0	0	0	0	0	1	8	12	18	23
45	3	0	0	0	0	0	0	4	6	11	26	26
00	0	0	0	0	0	0	0	10	4	11	27	20
Hr Total	3	0	0	0	0	3	0	21	27	43	82	96

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	24	23	40	60	41	39	63	31	34	103	0	0
30	17	31	49	27	26	37	43	20	32	69	2	0
45	34	29	41	42	33	41	40	29	21	34	1	0
00	35	29	32	34	50	47	25	33	23	10	0	0
Hr Total	110	112	162	163	150	164	171	113	110	216	3	0

24 Hour Total : 1749
AM peak hour begins : 10:30 AM peak volume : 103 Peak hour factor : 0.95
PM peak hour begins : 20:45 PM peak volume : 229 Peak hour factor : 0.56

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221005.PRN
Station : 000000021703
Identification : 000411638017 Interval : 15 minutes
Start date : Feb 21, 14 Start time : 00:00
Stop date : Feb 21, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Bal Harbour Shops North of 96th Street

****

Feb 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	3	1	9	24	54	37	54
30	0	0	0	0	0	0	0	1	26	62	38	48
45	3	0	0	0	0	0	0	6	20	51	52	67
00	0	0	0	0	0	0	1	16	49	61	61	67
Hr Total	3	0	0	0	0	3	2	32	119	228	188	236

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	74	64	74	85	60	73	84	51	41	118	0	0
30	84	61	74	41	52	57	57	44	38	75	3	0
45	93	62	71	75	56	64	64	41	27	38	3	0
00	89	64	62	61	75	75	51	41	35	10	0	0
Hr Total	340	251	281	262	243	269	256	177	141	241	6	0

24 Hour Total : 3278
AM peak hour begins : 11:30 AM peak volume : 292 Peak hour factor : 0.78
PM peak hour begins : 12:00 PM peak volume : 340 Peak hour factor : 0.91

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	1	0	9	23	24	30
30	0	0	0	0	0	0	0	0	11	44	12	28
45	0	0	0	0	0	0	1	0	17	21	24	38
00	0	0	0	0	0	0	0	0	48	30	31	38
Hr Total	0	0	0	0	0	0	2	0	85	118	91	134

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	54	43	31	23	26	18	18	19	10	22	3	0
30	57	45	23	24	24	19	14	19	11	5	2	0
45	41	38	24	21	18	17	20	10	5	7	0	0
00	62	31	28	19	35	30	20	16	8	6	0	0
Hr Total	214	157	106	87	103	84	72	64	34	40	5	0

24 Hour Total : 1396
AM peak hour begins : 11:30 AM peak volume : 187 Peak hour factor : 0.82
PM peak hour begins : 12:00 PM peak volume : 214 Peak hour factor : 0.86

****

Feb 22 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	3	5	10	2	12
30	0	0	0	0	0	0	0	0	3	10	10	12
45	0	0	0	0	0	0	2	1	3	8	13	13
00	0	0	0	0	0	0	3	4	13	10	14	19
Hr Total	0	0	0	0	0	0	5	8	24	38	39	56

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	26	18	25	33	44	52	75	44	36	79	0	0
30	25	33	27	35	39	39	49	21	17	106	2	1
45	17	23	21	29	39	37	44	20	26	38	0	0
00	12	17	23	37	36	35	29	22	28	17	0	0
Hr Total	80	91	96	134	158	163	197	107	107	240	2	1

24 Hour Total : 1546
AM peak hour begins : 11:30 AM peak volume : 83 Peak hour factor : 0.80
PM peak hour begins : 20:45 PM peak volume : 251 Peak hour factor : 0.59

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	1	3	14	33	26	42
30	0	0	0	0	0	0	0	0	14	54	22	40
45	0	0	0	0	0	0	3	1	20	29	37	51
00	0	0	0	0	0	0	3	4	61	40	45	57
Hr Total	0	0	0	0	0	0	7	8	109	156	130	190

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	80	61	56	56	70	70	93	63	46	101	3	0
30	82	78	50	59	63	58	63	40	28	111	4	1
45	58	61	45	50	57	54	64	30	31	45	0	0
00	74	48	51	56	71	65	49	38	36	23	0	0
Hr Total	294	248	202	221	261	247	269	171	141	280	7	1

24 Hour Total : 2942
AM peak hour begins : 11:30 AM peak volume : 270 Peak hour factor : 0.82
PM peak hour begins : 12:00 PM peak volume : 294 Peak hour factor : 0.90

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223005.PRN
Station : 000000021703
Identification : 000411638017
Start date : Feb 23, 14
Stop date : Feb 23, 14
City/Town : Bal Harbour, Florida
Location : Bal Harbour Shops North of 96th Street

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 23 Northbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	1	5	2	17	36
30	0	0	0	0	0	0	0	1	4	4	41	60
45	0	0	0	0	0	0	0	3	15	6	38	55
00	0	0	0	0	0	0	1	6	11	23	40	55
Hr Total	0	0	0	0	0	0	1	11	35	35	136	206

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	23	17	35	25	11	18	7	11	0	0	0	0
30	20	25	28	25	14	15	17	5	1	0	0	0
45	19	22	22	14	14	12	16	11	2	0	0	0
00	25	24	21	24	18	17	4	12	0	0	0	0
Hr Total	87	88	106	88	57	62	44	39	3	0	0	0

24 Hour Total : 998
AM peak hour begins : 11:00 AM peak volume : 206 Peak hour factor : 0.86
PM peak hour begins : 13:30 PM peak volume : 109 Peak hour factor : 0.78

****

Feb 23 Southbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	2	4	8	2	7
30	0	2	0	0	0	0	0	3	2	2	4	10
45	0	0	0	0	0	0	0	2	4	3	11	32
00	0	0	0	0	0	0	2	0	3	6	15	21
Hr Total	0	2	0	0	0	0	2	7	13	19	32	70

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	12	18	21	22	28	22	63	76	0	0	0	0
30	13	19	20	24	31	31	75	43	0	0	0	0
45	18	24	20	27	33	35	68	22	0	0	0	0
00	15	23	30	32	30	32	31	5	2	0	0	0
Hr Total	58	84	91	105	122	120	237	146	2	0	0	0

24 Hour Total : 1110
AM peak hour begins : 11:30 AM peak volume : 78 Peak hour factor : 0.61
PM peak hour begins : 18:15 PM peak volume : 250 Peak hour factor : 0.82

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223005.PRN
Station : 000000021703
Identification : 000411638017 Interval : 15 minutes
Start date : Feb 23, 14 Start time : 00:00
Stop date : Feb 23, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : Bal Harbour Shops North of 96th Street

****

Feb 23 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	3	9	10	19	43
30	0	2	0	0	0	0	0	4	6	6	45	70
45	0	0	0	0	0	0	0	5	19	9	49	87
00	0	0	0	0	0	0	3	6	14	29	55	76
Hr Total	0	2	0	0	0	0	3	18	48	54	168	276

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	35	35	56	47	39	40	70	87	0	0	0	0
30	33	44	48	49	45	46	92	48	1	0	0	0
45	37	46	42	41	47	47	84	33	2	0	0	0
00	40	47	51	56	48	49	35	17	2	0	0	0
Hr Total	145	172	197	193	179	182	281	185	5	0	0	0

24 Hour Total : 2108
AM peak hour begins : 11:00 AM peak volume : 276 Peak hour factor : 0.79
PM peak hour begins : 18:15 PM peak volume : 298 Peak hour factor : 0.81

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Bal Harbour, Florida 'Dade 'South of 9700 Block West of Collins Ave

File: D0218003			File: D0219003			File: D0220003			File: D0221003			File: D0222003			File: D0223003			Average Tue, Wed, & Thu		
Date: Feb 18, 2014			Date: Feb 19, 2014			Date: Feb 20, 2014			Date: Feb 21, 2014			Date: Feb 22, 2014			Date: Feb 23, 2014					
Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB
12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0	12:15 AM	0	0
12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0	12:30 AM	0	0
12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	0	12:45 AM	0	0
1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0	1:00 AM	0	0
1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0	1:15 AM	0	0
1:30 AM	0	0	1:30 AM	0	0	1:30 AM	0	0	1:30 AM	0	0	1:30 AM	0	0	1:30 AM	0	0	1:30 AM	0	0
1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0	1:45 AM	0	0
2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0	2:00 AM	0	0
2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0	2:15 AM	0	0
2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	0
2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0	2:45 AM	0	0
3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	0	0
3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	0	0
3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0	3:30 AM	0	0
3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	0	0
4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0	4:00 AM	0	0
4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0	4:15 AM	0	0
4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0	4:30 AM	0	0
4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0
5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0	5:00 AM	0	0
5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	0	5:15 AM	0	0
5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0	5:30 AM	0	0
5:45 AM	0	0	5:45 AM	0	0	5:45 AM	0	0	5:45 AM	0	0	5:45 AM	0	0	5:45 AM	0	0	5:45 AM	0	0
6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0	6:00 AM	0	0
6:15 AM	0	0	6:15 AM	0	0	6:15 AM	0	0	6:15 AM	0	0	6:15 AM	0	0	6:15 AM	0	0	6:15 AM	0	0
6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0	6:30 AM	0	0
6:45 AM	0	0	6:45 AM	0	0	6:45 AM	0	0	6:45 AM	0	0	6:45 AM	0	0	6:45 AM	0	0	6:45 AM	0	0
7:00 AM	0	0	7:00 AM	0	0	7:00 AM	0	0	7:00 AM	0	0	7:00 AM	0	0	7:00 AM	0	0	7:00 AM	0	0
7:15 AM	0	0	7:15 AM	0	0	7:15 AM	0	0	7:15 AM	0	0	7:15 AM	0	0	7:15 AM	0	0	7:15 AM	0	0
7:30 AM	0	0	7:30 AM	0	0	7:30 AM	0	0	7:30 AM	0	0	7:30 AM	0	0	7:30 AM	0	0	7:30 AM	0	0
7:45 AM	0	0	7:45 AM	0	0	7:45 AM	0	0	7:45 AM	0	0	7:45 AM	0	0	7:45 AM	0	0	7:45 AM	0	0
8:00 AM	0	0	8:00 AM	0	0	8:00 AM	0	0	8:00 AM	0	0	8:00 AM	0	0	8:00 AM	0	0	8:00 AM	0	0
8:15 AM	1	0	8:15 AM	1	0	8:15 AM	0	0	8:15 AM	0	0	8:15 AM	0	0	8:15 AM	0	0	8:15 AM	1	0
8:30 AM	1	0	8:30 AM	0	0	8:30 AM	1	0	8:30 AM	0	0	8:30 AM	1	0	8:30 AM	0	0	8:30 AM	1	0
8:45 AM	1	0	8:45 AM	0	0	8:45 AM	0	0	8:45 AM	0	0	8:45 AM	2	0	8:45 AM	0	0	8:45 AM	0	0
9:00 AM	0	0	9:00 AM	2	0	9:00 AM	1	0	9:00 AM	0	0	9:00 AM	1	0	9:00 AM	0	0	9:00 AM	1	0
9:15 AM	2	0	9:15 AM	3	1	9:15 AM	1	0	9:15 AM	2	1	9:15 AM	3	0	9:15 AM	0	0	9:15 AM	2	0
9:30 AM	1	0	9:30 AM	0	0	9:30 AM	0	1	9:30 AM	0	1	9:30 AM	1	0	9:30 AM	0	0	9:30 AM	0	0
9:45 AM	0	1	9:45 AM	2	0	9:45 AM	3	0	9:45 AM	1	0	9:45 AM	2	0	9:45 AM	0	0	9:45 AM	2	0
10:00 AM	3	2	10:00 AM	4	2	10:00 AM	5	2	10:00 AM	2	0	10:00 AM	4	2	10:00 AM	0	0	10:00 AM	4	2
10:15 AM	6	2	10:15 AM	6	1	10:15 AM	9	0	10:15 AM	7	5	10:15 AM	1	2	10:15 AM	0	0	10:15 AM	7	1
10:30 AM	7	1	10:30 AM	5	2	10:30 AM	5	1	10:30 AM	6	2	10:30 AM	4	2	10:30 AM	0	0	10:30 AM	6	1
10:45 AM	6	0	10:45 AM	6	1	10:45 AM	3	1	10:45 AM	2	3	10:45 AM	7	2	10:45 AM	0	0	10:45 AM	5	1
11:00 AM	5	3	11:00 AM	6	5	11:00 AM	7	4	11:00 AM	16	3	11:00 AM	7	6	11:00 AM	0	0	11:00 AM	6	4
11:15 AM	6	2	11:15 AM	11	1	11:15 AM	9	4	11:15 AM	11	2	11:15 AM	5	2	11:15 AM	0	1	11:15 AM	9	2
11:30 AM	2	6	11:30 AM	5	5	11:30 AM	18	2	11:30 AM	6	4	11:30 AM	6	3	11:30 AM	0	4	11:30 AM	8	4
11:45 AM	12	3	11:45 AM	5	1	11:45 AM	10	5	11:45 AM	12	8	11:45 AM	7	4	11:45 AM	4	4	11:45 AM	9	3
12:00 PM	14	3	12:00 PM	11	6	12:00 PM	13	3	12:00 PM	4	1	12:00 PM	10	3	12:00 PM	4	2	12:00 PM	13	4
12:15 PM	11	3	12:15 PM	12	3	12:15 PM	11	3	12:15 PM	11	2	12:15 PM	10	1	12:15 PM	5	4	12:15 PM	11	3
12:30 PM	10	3	12:30 PM	7	4	12:30 PM	12	5	12:30 PM	7	4	12:30 PM	18	8	12:30 PM	11	4	12:30 PM	10	4
12:45 PM	9	6	12:45 PM	12	7	12:45 PM	5	2	12:45 PM	14	3	12:45 PM	7	1	12:45 PM	13	2	12:45 PM	9	5
1:00 PM	12	2	1:00 PM	12	8	1:00 PM	17	3	1:00 PM	11	1	1:00 PM	10	3	1:00 PM	5	2	1:00 PM	14	4
1:15 PM	11	2	1:15 PM	18	4	1:15 PM	12	7	1:15 PM	15	5	1:15 PM	10	4	1:15 PM	9	5	1:15 PM	14	4
1:30 PM	11	2	1:30 PM	13	6	1:30 PM	12	0	1:30 PM	7	1	1:30 PM	14	3	1:30 PM	14	1	1:30 PM	12	3
1:45 PM	11	3	1:45 PM	18	6	1:45 PM	7	5	1:45 PM	14	2	1:45 PM	8	0	1:45 PM	13	2	1:45 PM	12	5
2:00 PM	11	6	2:00 PM	17	4	2:00 PM	13	1	2:00 PM	14	3	2:00 PM	19	2	2:00 PM	13	1	2:00 PM	14	4
2:15 PM	20	3	2:15 PM	11	7	2:15 PM	21	3	2:15 PM	10	2	2:15 PM	15	5	2:15 PM	21	3	2:15 PM	17	4
2:30 PM	14	2	2:30 PM	12	3	2:30 PM	17	4	2:30 PM	18	6	2:30 PM	11	6	2:30 PM	13	8	2:30 PM	14	3
2:45 PM	19	4	2:45 PM	15	2	2:45 PM	22	2	2:45 PM	20	3	2:45 PM	19	3	2:45 PM	6	2	2:45 PM	19	3
3:00 PM	20	3	3:00 PM	25	0	3:00 PM	19	5	3:00 PM	16	1	3:00 PM	24	4	3:00 PM	15	4	3:00 PM	21	3
3:15 PM	14	1	3:15 PM	20	2	3:15 PM	14	4	3:15 PM	20	2	3:15 PM	17	1	3:15 PM	10	5	3:15 PM	16	2
3:30 PM	15	1	3:30 PM	11	7	3:30 PM	11	6	3:30 PM	16	2	3:30 PM	31	6	3:30 PM	19	1	3:30 PM	12	5
3:45 PM	18	4	3:45 PM	16	2	3:45 PM	18	3	3:45 PM	21	5	3:45 PM	19	2	3:45 PM	13	2	3:45 PM	17	3
4:00 PM	21	1	4:00 PM	21	3	4:00 PM	10	3	4:00 PM	24	3	4:00 PM	22	5	4:00 PM	11	4	4:00 PM	17	2
4:15 PM	23	5	4:15 PM	18	1	4:15 PM	19	5	4:15 PM	15	4	4:15 PM	24	5	4:15 PM	21	1	4:15 PM	20	4
4:30 PM	18	1	4:30 PM	13	4	4:30 PM	15	3	4:30 PM	19	4	4:30 PM	16	4	4:30 PM	18	5	4:30 PM	15	3
4:45 PM	16	4	4:45 PM	14	4	4:45 PM	17	5	4:45 PM	14	2	4:45 PM	12	3	4:45 PM	18	5	4:45 PM	16	4
5:00 PM	18	2	5:00 PM	14	4	5:00 PM	15	3	5:00 PM	25	3	5:00 PM	18	3	5:00 PM	20	1	5:00 PM	16	3
5:15 PM	24	4	5:15 PM	13	2	5:15 PM	18	6	5:15 PM	26	5	5:15 PM	9	1	5:15 PM	20	2	5:15 PM	18	4
5:30 PM	20	3	5:30 PM	15	8	5:30 PM	11	1	5:30 PM	14	1	5:30 PM	18	2	5:30 PM	17	2	5:30 PM	15	4
5:45 PM	15	1	5:45 PM	23	2	5:45 PM	19	5	5:45 PM	15	4	5:45 PM	10	1	5:45 PM	12	3	5:45 PM	19	3
6:00 PM	17	3	6:00 PM	17	4	6:00 PM	22	5	6:00 PM	16	2	6:00 PM	16	2	6:00 PM	13	1	6:00 PM	19	4
6:15 PM	15	3	6:15 PM	10	5	6:15 PM	14	2	6:15 PM	12	4	6:15 PM	28	3	6:15 PM	18	1	6:15 PM	13	3
6:30 PM	14	4	6:30 PM	13	3	6:30 PM	20	3	6:30 PM	19	4	6:30 PM	18	2	6:30 PM	21	4	6:30 PM	16	3
6:45 PM	14	8	6:45 PM	22	6	6:45 PM	18	3	6:45 PM	15	7	6:45 PM	16	1	6:45 PM	16	1	6:45 PM	18	6
7:00 PM	17	4	7:00 PM	23	4	7:00 PM	16	5	7:00 PM	19	8	7:00 PM	14	4	7:00 PM	28	2	7:00 PM	19	4
7:15 PM	18	3	7:15 PM	17	2	7:15 PM	16	1	7:15 PM	15	3	7:15 PM	12	6	7:15 PM	19	0	7:15 PM	17	2
7:30 PM	18	8	7:30 PM	8	2	7:30 PM	21	0	7:30 PM	18	4	7:30 PM	15	5	7:30 PM	13	2	7:30 PM	16	3
7:45 PM	14	3	7:45 PM	14	3	7:45 PM	15	0	7:45 PM	18	4	7:45 PM	15	0	7:45 PM	18	4	7:45 PM	14	2
8:00 PM	12	2	8:00 PM	19	3	8:00 PM	10	5	8:00 PM	12	3	8:00 PM	17	1	8:00 PM	11	1	8:00 PM	14	3
8:15 PM	17	6	8:15 PM	19	5	8:15 PM	11	2	8:15 PM	9	5	8:15 PM	21	1	8:15 PM	15	1	8:15 PM	16	4
8:30 PM	19	1	8:30 PM	19	1	8:30 PM	16	2	8:30 PM	16	1	8:30 PM	21	2	8:30 PM	12	0	8:30 PM	18	1
8:45 PM	17	0	8:45 PM	15	0	8:45 PM	13	1	8:45 PM	19	2	8:45 PM	13	2	8:45 PM	14	1	8:45 PM	15	0
9:00 PM	11	3	9:00 PM	24	6	9:00 PM	16	1	9:00 PM	14	0	9:00 PM	15	2	9:00 PM	14	2	9:00 PM	17	3
9:15 PM	13	2	9:15 PM	19	6	9:15 PM	28	1	9:15 PM	12	0	9:15 PM	24	1	9:15 PM	9	2	9:15 PM	20	3
9:30 PM	17	1	9:30 PM	12	0	9:30 PM	16	3	9:30 PM	13	0	9:30 PM	19	4	9:30 PM	9	0	9:30 PM	15	1
9:45 PM	22	2	9:45 PM	11	0	9:45 PM	9	0	9:45 PM	7	0	9:45 PM	19	0	9:45 PM	16	0	9:45 PM	14	1
10:00 PM	20	2	10:00 PM	13	0	10:00 PM	19	3	10:00 PM	22	2	10:00 PM	22	1	10:00 PM	9	1	10:00 PM	17	2
10:15 PM	26	2	10:15 PM	26	0	10:15 PM	17	0	10:15 PM	22	1	10:15 PM	20	5	10:15 PM	12	0	10:15 PM	23	1
10:30 PM	19	2	10:30 PM	20	0	10:30 PM	15	1	10:30 PM	19	1	10:30 PM	10	0	10:30 PM	13	0	10:30 PM	18	1
10:45 PM	21	0	10:45 PM	21	1	10:45 PM	9	0	10:45 PM	12	0	10:45 PM	13	3	10:45 PM	11	0	10:45 PM	17	0
11:00 PM	16	0	11:00 PM	8	1	11:00 PM	16	0	11:00 PM	16	2	11:00 PM	11	2	11:00 PM	8	0	11:00 PM	13	0
11:15 PM	12	0	11:15 PM	20	0	11:15 PM	16	0	11:15 PM	16	2	11:15 PM	10	0	11:15 PM	10	0	11:15 PM	16	0
11:30 PM	10	3	11:30 PM	19	1	11:30 PM	11	0	11:30 PM	20	0	11:30 PM	13	0	11:30 PM	5	0	11:30 PM	13	1
11:45 PM	18	0	11:45 PM	8	0	11:45 PM	13	0	11:45 PM	17	1	11:45 PM	14	0	11:45 PM	11	0	11:45 PM	13	0
12:00 AM	13	0	12:00 AM	7	0	12:00 AM	8	0	12:00 AM	5	0	12:00 AM	10	0	12:00 AM	2	0	12:00 AM	9	0

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218003.PRN
Station : 000000021712
Identification : 000058410150
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : South of 9700 Block West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	1	2	6	6
30	0	0	0	0	0	0	0	0	1	1	7	2
45	0	0	0	0	0	0	0	0	1	0	6	12
00	0	0	0	0	0	0	0	0	0	3	5	14
Hr Total	0	0	0	0	0	0	0	0	3	6	24	34

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	11	11	20	14	23	24	15	18	17	13	26	12
30	10	11	14	15	18	20	14	18	19	17	19	10
45	9	11	19	18	16	15	14	14	17	22	21	18
00	12	11	20	21	18	17	17	12	11	20	16	13
Hr Total	42	44	73	68	75	76	60	62	64	72	82	53

24 Hour Total : 838
AM peak hour begins : 11:30 AM peak volume : 47 Peak hour factor : 0.84
PM peak hour begins : 21:30 PM peak volume : 87 Peak hour factor : 0.84

****

Feb 18 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	2	2
30	0	0	0	0	0	0	0	0	0	0	1	6
45	0	0	0	0	0	0	0	0	0	1	0	3
00	0	0	0	0	0	0	0	0	0	2	3	3
Hr Total	0	0	0	0	0	0	0	0	0	3	6	14

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	3	2	3	1	5	4	3	3	6	2	2	0
30	3	2	2	1	1	3	4	8	1	1	2	3
45	6	3	4	4	4	1	8	3	0	2	0	0
00	2	6	3	1	2	3	4	2	3	2	0	0
Hr Total	14	13	12	7	12	11	19	16	10	7	4	3

24 Hour Total : 151
AM peak hour begins : 11:15 AM peak volume : 15 Peak hour factor : 0.63
PM peak hour begins : 18:30 PM peak volume : 23 Peak hour factor : 0.72

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218003.PRN
Station : 000000021712
Identification : 000058410150 Interval : 15 minutes
Start date : Feb 18, 14 Start time : 00:00
Stop date : Feb 18, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : South of 9700 Block West of Collins Ave

****

Feb 18 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	1	2	8	8
30	0	0	0	0	0	0	0	0	1	1	8	8
45	0	0	0	0	0	0	0	0	1	1	6	15
00	0	0	0	0	0	0	0	0	0	5	8	17
Hr Total	0	0	0	0	0	0	0	0	3	9	30	48

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	14	13	23	15	28	28	18	21	23	15	28	12
30	13	13	16	16	19	23	18	26	20	18	21	13
45	15	14	23	22	20	16	22	17	17	24	21	18
00	14	17	23	22	20	20	21	14	14	22	16	13
Hr Total	56	57	85	75	87	87	79	78	74	79	86	56

24 Hour Total : 989
AM peak hour begins : 11:30 AM peak volume : 59 Peak hour factor : 0.87
PM peak hour begins : 21:30 PM peak volume : 95 Peak hour factor : 0.85

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219003.PRN
Station : 000000021712
Identification : 000058410150
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : South of 9700 Block West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	1	3	6	11
30	0	0	0	0	0	0	0	0	0	0	5	5
45	0	0	0	0	0	0	0	0	0	2	6	5
00	0	0	0	0	0	0	0	0	2	4	6	11
Hr Total	0	0	0	0	0	0	0	0	3	9	23	32

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	12	18	11	20	18	13	10	17	19	19	26	20
30	7	13	12	11	13	15	13	8	19	12	20	19
45	12	18	15	16	14	23	22	14	15	11	21	8
00	12	17	25	21	14	17	23	19	24	13	8	7
Hr Total	43	66	63	68	59	68	68	58	77	55	75	54

24 Hour Total : 821
AM peak hour begins : 11:30 AM peak volume : 35 Peak hour factor : 0.73
PM peak hour begins : 21:45 PM peak volume : 80 Peak hour factor : 0.77

****

Feb 19 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	1	1	1
30	0	0	0	0	0	0	0	0	0	0	2	5
45	0	0	0	0	0	0	0	0	0	0	1	1
00	0	0	0	0	0	0	0	0	0	2	5	6
Hr Total	0	0	0	0	0	0	0	0	0	3	9	13

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	3	4	7	2	1	2	5	2	5	6	0	0
30	4	6	3	7	4	8	3	2	1	0	0	1
45	7	6	2	2	4	2	6	3	0	0	1	0
00	8	4	0	3	4	4	4	3	6	0	1	0
Hr Total	22	20	12	14	13	16	18	10	12	6	2	1

24 Hour Total : 171
AM peak hour begins : 11:15 AM peak volume : 15 Peak hour factor : 0.63
PM peak hour begins : 12:30 PM peak volume : 25 Peak hour factor : 0.78

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219003.PRN
Station : 000000021712
Identification : 000058410150 Interval : 15 minutes
Start date : Feb 19, 14 Start time : 00:00
Stop date : Feb 19, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : South of 9700 Block West of Collins Ave

****

Feb 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	1	4	7	12
30	0	0	0	0	0	0	0	0	0	0	7	10
45	0	0	0	0	0	0	0	0	0	2	7	6
00	0	0	0	0	0	0	0	0	2	6	11	17
Hr Total	0	0	0	0	0	0	0	0	3	12	32	45

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	15	22	18	22	19	15	15	19	24	25	26	20
30	11	19	15	18	17	23	16	10	20	12	20	20
45	19	24	17	18	18	25	28	17	15	11	22	8
00	20	21	25	24	18	21	27	22	30	13	9	7
Hr Total	65	86	75	82	72	84	86	68	89	61	77	55

24 Hour Total : 992
AM peak hour begins : 11:30 AM peak volume : 49 Peak hour factor : 0.64
PM peak hour begins : 18:15 PM peak volume : 90 Peak hour factor : 0.80

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220003.PRN
Station : 000000021712
Identification : 000058410150
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : South of 9700 Block West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	1	9	9
30	0	0	0	0	0	0	0	0	1	0	5	18
45	0	0	0	0	0	0	0	0	0	3	3	10
00	0	0	0	0	0	0	0	0	1	5	7	13
Hr Total	0	0	0	0	0	0	0	0	2	9	24	50

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	11	12	21	14	19	18	14	16	11	28	17	16
30	12	12	17	11	15	11	20	21	16	16	15	11
45	5	7	22	18	17	19	18	15	13	9	9	13
00	17	13	19	10	15	22	16	10	16	19	16	8
Hr Total	45	44	79	53	66	70	68	62	56	72	57	48

24 Hour Total : 805
AM peak hour begins : 11:15 AM peak volume : 52 Peak hour factor : 0.72
PM peak hour begins : 14:00 PM peak volume : 79 Peak hour factor : 0.90

****

Feb 20 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	0	4
30	0	0	0	0	0	0	0	0	0	1	1	2
45	0	0	0	0	0	0	0	0	0	0	1	5
00	0	0	0	0	0	0	0	0	0	2	4	3
Hr Total	0	0	0	0	0	0	0	0	0	3	6	14

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	3	7	3	4	5	6	2	1	2	1	0	0
30	5	0	4	6	3	1	3	0	2	3	1	0
45	2	5	2	3	5	5	3	0	1	0	0	0
00	3	1	5	3	3	5	5	5	1	3	0	0
Hr Total	13	13	14	16	16	17	13	6	6	7	1	0

24 Hour Total : 145
AM peak hour begins : 11:30 AM peak volume : 16 Peak hour factor : 0.80
PM peak hour begins : 14:45 PM peak volume : 18 Peak hour factor : 0.75

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220003.PRN
Station : 000000021712
Identification : 000058410150 Interval : 15 minutes
Start date : Feb 20, 14 Start time : 00:00
Stop date : Feb 20, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : South of 9700 Block West of Collins Ave

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Feb 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	1	9	13
30	0	0	0	0	0	0	0	0	1	1	6	20
45	0	0	0	0	0	0	0	0	0	3	4	15
00	0	0	0	0	0	0	0	0	1	7	11	16
Hr Total	0	0	0	0	0	0	0	0	2	12	30	64

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	14	19	24	18	24	24	16	17	13	29	17	16
30	17	12	21	17	18	12	23	21	18	19	16	11
45	7	12	24	21	22	24	21	15	14	9	9	13
00	20	14	24	13	18	27	21	15	17	22	16	8
Hr Total	58	57	93	69	82	87	81	68	62	79	58	48

24 Hour Total : 950
AM peak hour begins : 11:15 AM peak volume : 65 Peak hour factor : 0.81
PM peak hour begins : 14:00 PM peak volume : 93 Peak hour factor : 0.97

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221003.PRN
Station : 000000021712
Identification : 000058410150 Interval : 15 minutes
Start date : Feb 21, 14 Start time : 00:00
Stop date : Feb 21, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : South of 9700 Block West of Collins Ave

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Feb 21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	2	7	11
30	0	0	0	0	0	0	0	0	0	0	6	6
45	0	0	0	0	0	0	0	0	0	1	2	12
00	0	0	0	0	0	0	0	0	0	2	16	4
Hr Total	0	0	0	0	0	0	0	0	0	5	31	33

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	11	15	10	20	15	26	12	15	9	12	22	16
30	7	7	18	16	19	14	19	18	16	13	19	20
45	14	14	20	21	14	15	15	18	19	7	12	17
00	11	14	16	24	25	16	19	12	14	22	16	5
Hr Total	43	50	64	81	73	71	65	63	58	54	69	58

24 Hour Total : 818
AM peak hour begins : 10:45 AM peak volume : 45 Peak hour factor : 0.70
PM peak hour begins : 16:15 PM peak volume : 84 Peak hour factor : 0.81

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Feb 21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	1	5	2
30	0	0	0	0	0	0	0	0	0	1	2	4
45	0	0	0	0	0	0	0	0	0	0	3	8
00	0	0	0	0	0	0	0	0	0	0	3	1
Hr Total	0	0	0	0	0	0	0	0	0	2	13	15

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	2	5	2	2	4	5	4	3	5	0	1	2
30	4	1	6	2	4	1	4	4	1	0	1	0
45	3	2	3	5	2	4	7	4	2	0	0	1
00	1	3	1	3	3	2	8	3	0	2	2	0
Hr Total	10	11	12	12	13	12	23	14	8	2	4	3

24 Hour Total : 154
AM peak hour begins : 10:45 AM peak volume : 17 Peak hour factor : 0.53
PM peak hour begins : 18:00 PM peak volume : 23 Peak hour factor : 0.72

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221003.PRN
Station : 000000021712
Identification : 000058410150
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : South of 9700 Block West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	3	12	13
30	0	0	0	0	0	0	0	0	0	1	8	10
45	0	0	0	0	0	0	0	0	0	1	5	20
00	0	0	0	0	0	0	0	0	0	2	19	5
Hr Total	0	0	0	0	0	0	0	0	0	7	44	48

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	13	20	12	22	19	31	16	18	14	12	23	18
30	11	8	24	18	23	15	23	22	17	13	20	20
45	17	16	23	26	16	19	22	22	21	7	12	18
00	12	17	17	27	28	18	27	15	14	24	18	5
Hr Total	53	61	76	93	86	83	88	77	66	56	73	61

24 Hour Total : 972
AM peak hour begins : 10:45 AM peak volume : 62 Peak hour factor : 0.77
PM peak hour begins : 16:15 PM peak volume : 98 Peak hour factor : 0.79

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

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Data File : D0222003.PRN
Station : 000000021712
Identification : 000058410150
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : South of 9700 Block West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	3	1	5
30	0	0	0	0	0	0	0	0	1	1	4	6
45	0	0	0	0	0	0	0	0	2	2	7	7
00	0	0	0	0	0	0	0	0	1	4	7	10
Hr Total	0	0	0	0	0	0	0	0	4	10	19	28

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	10	10	15	17	24	9	28	12	21	24	20	10
30	18	14	11	31	16	18	18	15	21	19	10	13
45	7	8	19	19	12	10	16	15	13	19	13	14
00	10	19	24	22	18	16	14	17	15	22	11	10
Hr Total	45	51	69	89	70	53	76	59	70	84	54	47

24 Hour Total : 828
AM peak hour begins : 11:30 AM peak volume : 45 Peak hour factor : 0.63
PM peak hour begins : 15:15 PM peak volume : 96 Peak hour factor : 0.77

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Feb 22 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	2	2
30	0	0	0	0	0	0	0	0	0	0	2	3
45	0	0	0	0	0	0	0	0	0	0	2	4
00	0	0	0	0	0	0	0	0	0	2	6	3
Hr Total	0	0	0	0	0	0	0	0	0	2	12	12

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	1	4	5	1	5	1	3	6	1	1	5	0
30	8	3	6	6	4	2	2	5	2	4	0	0
45	1	0	3	2	3	1	1	0	2	0	3	0
00	3	2	4	5	3	2	4	1	2	1	2	0
Hr Total	13	9	18	14	15	6	10	12	7	6	10	0

24 Hour Total : 146
AM peak hour begins : 11:30 AM peak volume : 16 Peak hour factor : 0.50
PM peak hour begins : 14:00 PM peak volume : 18 Peak hour factor : 0.75

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222003.PRN
Station : 000000021712
Identification : 000058410150
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : South of 9700 Block West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	3	3	7
30	0	0	0	0	0	0	0	0	1	1	6	9
45	0	0	0	0	0	0	0	0	2	2	9	11
00	0	0	0	0	0	0	0	0	1	6	13	13
Hr Total	0	0	0	0	0	0	0	0	4	12	31	40

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	11	14	20	18	29	10	31	18	22	25	25	10
30	26	17	17	37	20	20	20	20	23	23	10	13
45	8	8	22	21	15	11	17	15	15	19	16	14
00	13	21	28	27	21	18	18	18	17	23	13	10
Hr Total	58	60	87	103	85	59	86	71	77	90	64	47

24 Hour Total : 974
AM peak hour begins : 11:30 AM peak volume : 61 Peak hour factor : 0.59
PM peak hour begins : 15:15 PM peak volume : 114 Peak hour factor : 0.77

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223003.PRN
Station : 000000021712
Identification : 000058410150
Start date : Feb 23, 14
Stop date : Feb 23, 14
City/Town : Bal Harbour, Florida
Location : South of 9700 Block West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 23 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	4
00	0	0	0	0	0	0	0	0	0	0	0	4
Hr Total	0	0	0	0	0	0	0	0	0	0	0	8

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	5	9	21	10	21	20	18	19	15	9	12	10
30	11	14	13	19	18	17	21	13	12	9	13	5
45	13	13	6	13	18	12	16	18	14	16	11	11
00	5	13	15	11	20	13	28	11	14	9	8	2
Hr Total	34	49	55	53	77	62	83	61	55	43	44	28

24 Hour Total : 652
AM peak hour begins : 11:30 AM peak volume : 24 Peak hour factor : 0.46
PM peak hour begins : 18:15 PM peak volume : 84 Peak hour factor : 0.75

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Feb 23 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	4
45	0	0	0	0	0	0	0	0	0	0	0	4
00	0	0	0	0	0	0	0	0	0	0	0	2
Hr Total	0	0	0	0	0	0	0	0	0	0	0	11

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	4	5	3	5	1	2	1	0	1	2	0	0
30	4	1	8	1	5	2	4	2	0	0	0	0
45	2	2	2	2	5	3	1	4	1	0	0	0
00	2	1	4	4	1	1	2	1	2	1	0	0
Hr Total	12	9	17	12	12	8	8	7	4	3	0	0

24 Hour Total : 103
AM peak hour begins : 11:15 AM peak volume : 14 Peak hour factor : 0.88
PM peak hour begins : 14:15 PM peak volume : 19 Peak hour factor : 0.59

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Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223003.PRN
Station : 000000021712
Identification : 000058410150 Interval : 15 minutes
Start date : Feb 23, 14 Start time : 00:00
Stop date : Feb 23, 14 Stop time : 24:00
City/Town : Bal Harbour, Florida County : Dade
Location : South of 9700 Block West of Collins Ave

****

Feb 23 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	4
45	0	0	0	0	0	0	0	0	0	0	0	8
00	0	0	0	0	0	0	0	0	0	0	0	6
Hr Total	0	0	0	0	0	0	0	0	0	0	0	19

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	9	14	24	15	22	22	19	19	16	11	12	10
30	15	15	21	20	23	19	25	15	12	9	13	5
45	15	15	8	15	23	15	17	22	15	16	11	11
00	7	14	19	15	21	14	30	12	16	10	8	2
Hr Total	46	58	72	65	89	70	91	68	59	46	44	28

24 Hour Total : 755
AM peak hour begins : 11:30 AM peak volume : 38 Peak hour factor : 0.63
PM peak hour begins : 18:00 PM peak volume : 91 Peak hour factor : 0.76

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Bal Harbour, Florida 'Dade '9700 Block Driveway West of Collins Ave

File: D0218009			File: D0219009			File: D0220009			File: D0221009			File: D0222009			File: D0223009			Average Tue, Wed, & Thu		
Date: Feb 18, 2014			Date: Feb 19, 2014			Date: Feb 20, 2014			Date: Feb 21, 2014			Date: Feb 22, 2014			Date: Feb 23, 2014					
Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB	Time	Exit/EB	Enter/WB
12:15 AM	23	5	12:15 AM	22	3	12:15 AM	26	8	12:15 AM	25	4	12:15 AM	22	0	12:15 AM	34	1	12:15 AM	24	5
12:30 AM	6	2	12:30 AM	8	2	12:30 AM	13	0	12:30 AM	4	2	12:30 AM	27	2	12:30 AM	31	3	12:30 AM	9	1
12:45 AM	14	0	12:45 AM	10	1	12:45 AM	4	1	12:45 AM	3	1	12:45 AM	7	0	12:45 AM	21	3	12:45 AM	9	1
1:00 AM	13	2	1:00 AM	3	1	1:00 AM	4	3	1:00 AM	3	0	1:00 AM	1	3	1:00 AM	24	2	1:00 AM	7	2
1:15 AM	7	2	1:15 AM	0	0	1:15 AM	1	1	1:15 AM	1	0	1:15 AM	2	1	1:15 AM	8	0	1:15 AM	3	1
1:30 AM	0	0	1:30 AM	2	0	1:30 AM	1	0	1:30 AM	2	4	1:30 AM	0	1	1:30 AM	7	0	1:30 AM	1	0
1:45 AM	2	0	1:45 AM	1	0	1:45 AM	1	0	1:45 AM	3	1	1:45 AM	3	1	1:45 AM	1	2	1:45 AM	1	0
2:00 AM	0	1	2:00 AM	1	0	2:00 AM	1	0	2:00 AM	0	1	2:00 AM	1	0	2:00 AM	3	0	2:00 AM	1	0
2:15 AM	0	0	2:15 AM	3	1	2:15 AM	0	2	2:15 AM	1	1	2:15 AM	0	0	2:15 AM	0	1	2:15 AM	1	1
2:30 AM	0	0	2:30 AM	0	0	2:30 AM	1	0	2:30 AM	0	1	2:30 AM	0	0	2:30 AM	0	0	2:30 AM	0	0
2:45 AM	2	1	2:45 AM	0	0	2:45 AM	3	1	2:45 AM	2	0	2:45 AM	0	0	2:45 AM	1	1	2:45 AM	2	1
3:00 AM	0	0	3:00 AM	1	3	3:00 AM	1	0	3:00 AM	1	2	3:00 AM	0	0	3:00 AM	0	0	3:00 AM	1	1
3:15 AM	0	0	3:15 AM	2	1	3:15 AM	1	0	3:15 AM	0	0	3:15 AM	0	0	3:15 AM	1	1	3:15 AM	1	0
3:30 AM	0	1	3:30 AM	4	0	3:30 AM	0	2	3:30 AM	1	1	3:30 AM	0	2	3:30 AM	0	0	3:30 AM	1	1
3:45 AM	2	1	3:45 AM	2	0	3:45 AM	0	0	3:45 AM	0	0	3:45 AM	1	0	3:45 AM	0	0	3:45 AM	1	0
4:00 AM	1	0	4:00 AM	0	0	4:00 AM	2	2	4:00 AM	1	2	4:00 AM	0	1	4:00 AM	0	0	4:00 AM	1	1
4:15 AM	0	1	4:15 AM	0	1	4:15 AM	0	1	4:15 AM	1	2	4:15 AM	1	1	4:15 AM	0	0	4:15 AM	0	1
4:30 AM	2	1	4:30 AM	1	1	4:30 AM	2	4	4:30 AM	1	1	4:30 AM	1	1	4:30 AM	0	0	4:30 AM	2	2
4:45 AM	0	1	4:45 AM	1	0	4:45 AM	3	2	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	0	0	4:45 AM	1	1
5:00 AM	1	1	5:00 AM	0	3	5:00 AM	0	5	5:00 AM	0	1	5:00 AM	0	0	5:00 AM	3	2	5:00 AM	0	3
5:15 AM	2	1	5:15 AM	2	0	5:15 AM	1	2	5:15 AM	1	0	5:15 AM	1	1	5:15 AM	0	1	5:15 AM	2	1
5:30 AM	0	2	5:30 AM	0	4	5:30 AM	1	1	5:30 AM	1	2	5:30 AM	1	2	5:30 AM	0	0	5:30 AM	0	2
5:45 AM	3	12	5:45 AM	3	7	5:45 AM	1	7	5:45 AM	0	2	5:45 AM	0	2	5:45 AM	0	1	5:45 AM	2	9
6:00 AM	1	13	6:00 AM	4	13	6:00 AM	1	10	6:00 AM	4	22	6:00 AM	3	13	6:00 AM	0	2	6:00 AM	2	12
6:15 AM	0	8	6:15 AM	4	7	6:15 AM	1	6	6:15 AM	6	7	6:15 AM	0	7	6:15 AM	2	2	6:15 AM	2	7
6:30 AM	1	11	6:30 AM	2	11	6:30 AM	0	15	6:30 AM	5	10	6:30 AM	0	10	6:30 AM	0	4	6:30 AM	1	12
6:45 AM	3	12	6:45 AM	1	15	6:45 AM	0	10	6:45 AM	0	11	6:45 AM	2	9	6:45 AM	0	2	6:45 AM	1	12
7:00 AM	1	27	7:00 AM	2	32	7:00 AM	1	31	7:00 AM	0	24	7:00 AM	1	13	7:00 AM	2	5	7:00 AM	1	30
7:15 AM	2	12	7:15 AM	1	17	7:15 AM	3	15	7:15 AM	3	18	7:15 AM	3	9	7:15 AM	1	2	7:15 AM	2	15
7:30 AM	3	16	7:30 AM	3	18	7:30 AM	3	12	7:30 AM	1	14	7:30 AM	0	10	7:30 AM	1	1	7:30 AM	3	15
7:45 AM	0	20	7:45 AM	1	18	7:45 AM	3	18	7:45 AM	3	13	7:45 AM	2	8	7:45 AM	0	3	7:45 AM	1	19
8:00 AM	2	15	8:00 AM	5	22	8:00 AM	3	23	8:00 AM	1	21	8:00 AM	1	21	8:00 AM	0	3	8:00 AM	3	20
8:15 AM	5	18	8:15 AM	3	11	8:15 AM	6	19	8:15 AM	1	15	8:15 AM	6	10	8:15 AM	1	4	8:15 AM	5	16
8:30 AM	0	22	8:30 AM	2	24	8:30 AM	3	19	8:30 AM	4	21	8:30 AM	2	8	8:30 AM	4	4	8:30 AM	2	22
8:45 AM	2	23	8:45 AM	5	31	8:45 AM	4	28	8:45 AM	3	28	8:45 AM	0	24	8:45 AM	0	6	8:45 AM	4	27
9:00 AM	2	38	9:00 AM	7	55	9:00 AM	2	63	9:00 AM	3	51	9:00 AM	3	54	9:00 AM	1	4	9:00 AM	4	52
9:15 AM	6	53	9:15 AM	4	51	9:15 AM	7	50	9:15 AM	4	51	9:15 AM	7	33	9:15 AM	3	6	9:15 AM	6	51
9:30 AM	1	41	9:30 AM	0	50	9:30 AM	5	41	9:30 AM	1	48	9:30 AM	1	46	9:30 AM	3	8	9:30 AM	2	44
9:45 AM	7	35	9:45 AM	5	43	9:45 AM	15	43	9:45 AM	5	39	9:45 AM	6	27	9:45 AM	2	14	9:45 AM	9	40
10:00 AM	5	42	10:00 AM	3	28	10:00 AM	4	34	10:00 AM	8	54	10:00 AM	0	33	10:00 AM	6	31	10:00 AM	4	35
10:15 AM	6	34	10:15 AM	11	30	10:15 AM	5	31	10:15 AM	6	32	10:15 AM	4	25	10:15 AM	3	8	10:15 AM	7	32
10:30 AM	7	27	10:30 AM	12	32	10:30 AM	5	32	10:30 AM	7	30	10:30 AM	4	27	10:30 AM	2	22	10:30 AM	8	30
10:45 AM	13	33	10:45 AM	12	49	10:45 AM	12	38	10:45 AM	10	38	10:45 AM	7	31	10:45 AM	4	24	10:45 AM	12	40
11:00 AM	11	39	11:00 AM	14	46	11:00 AM	9	41	11:00 AM	17	61	11:00 AM	8	41	11:00 AM	7	62	11:00 AM	11	42
11:15 AM	7	30	11:15 AM	14	46	11:15 AM	10	42	11:15 AM	29	52	11:15 AM	14	35	11:15 AM	20	56	11:15 AM	10	39
11:30 AM	13	34	11:30 AM	10	32	11:30 AM	12	34	11:30 AM	17	41	11:30 AM	18	41	11:30 AM	23	70	11:30 AM	12	33
11:45 AM	12	43	11:45 AM	17	46	11:45 AM	10	51	11:45 AM	17	41	11:45 AM	11	46	11:45 AM	16	58	11:45 AM	13	47
12:00 PM	14	53	12:00 PM	18	61	12:00 PM	16	64	12:00 PM	18	64	12:00 PM	12	60	12:00 PM	8	63	12:00 PM	16	59
12:15 PM	18	60	12:15 PM	13	57	12:15 PM	15	59	12:15 PM	20	62	12:15 PM	20	56	12:15 PM	8	71	12:15 PM	15	59
12:30 PM	19	51	12:30 PM	18	76	12:30 PM	20	82	12:30 PM	14	74	12:30 PM	19	72	12:30 PM	14	41	12:30 PM	19	70
12:45 PM	10	75	12:45 PM	13	69	12:45 PM	18	65	12:45 PM	24	65	12:45 PM	19	84	12:45 PM	10	39	12:45 PM	14	70
1:00 PM	17	69	1:00 PM	22	67	1:00 PM	12	70	1:00 PM	20	70	1:00 PM	29	84	1:00 PM	15	45	1:00 PM	17	69
1:15 PM	11	64	1:15 PM	26	55	1:15 PM	16	63	1:15 PM	13	63	1:15 PM	16	54	1:15 PM	13	48	1:15 PM	18	61
1:30 PM	24	50	1:30 PM	23	39	1:30 PM	22	45	1:30 PM	20	61	1:30 PM	27	55	1:30 PM	7	33	1:30 PM	23	45
1:45 PM	21	49	1:45 PM	27	46	1:45 PM	21	41	1:45 PM	20	60	1:45 PM	18	59	1:45 PM	21	46	1:45 PM	23	45
2:00 PM	24	37	2:00 PM	21	44	2:00 PM	19	36	2:00 PM	24	56	2:00 PM	20	57	2:00 PM	20	39	2:00 PM	21	39
2:15 PM	26	48	2:15 PM	28	47	2:15 PM	24	42	2:15 PM	37	46	2:15 PM	28	59	2:15 PM	19	53	2:15 PM	26	46
2:30 PM	26	39	2:30 PM	19	38	2:30 PM	31	42	2:30 PM	24	36	2:30 PM	31	57	2:30 PM	13	44	2:30 PM	25	40
2:45 PM	27	49	2:45 PM	21	50	2:45 PM	28	53	2:45 PM	32	50	2:45 PM	22	46	2:45 PM	18	35	2:45 PM	25	51
3:00 PM	37	42	3:00 PM	39	40	3:00 PM	35	52	3:00 PM	36	34	3:00 PM	28	50	3:00 PM	23	39	3:00 PM	37	45
3:15 PM	35	50	3:15 PM	23	42	3:15 PM	40	46	3:15 PM	32	48	3:15 PM	26	48	3:15 PM	26	57	3:15 PM	33	46
3:30 PM	32	30	3:30 PM	30	43	3:30 PM	35	35	3:30 PM	26	36	3:30 PM	41	45	3:30 PM	17	44	3:30 PM	32	36
3:45 PM	28	44	3:45 PM	41	36	3:45 PM	33	26	3:45 PM	38	46	3:45 PM	36	50	3:45 PM	28	40	3:45 PM	34	35
4:00 PM	29	34	4:00 PM	33	31	4:00 PM	39	44	4:00 PM	44	42	4:00 PM	26	37	4:00 PM	26	36	4:00 PM	34	36
4:15 PM	36	37	4:15 PM	17	37	4:15 PM	43	40	4:15 PM	36	45	4:15 PM	38	44	4:15 PM	20	49	4:15 PM	32	38
4:30 PM	27	31	4:30 PM	44	46	4:30 PM	34	35	4:30 PM	41	44	4:30 PM	27	51	4:30 PM	28	37	4:30 PM	35	37
4:45 PM	31	36	4:45 PM	35	38	4:45 PM	23	36	4:45 PM	31	41	4:45 PM	35	42	4:45 PM	31	38	4:45 PM	30	37
5:00 PM	26	49	5:00 PM	31	38	5:00 PM	21	36	5:00 PM	27	42	5:00 PM	40	56	5:00 PM	37	42	5:00 PM	26	41
5:15 PM	32	49	5:15 PM	46	47	5:15 PM	30	36	5:15 PM	48	43	5:15 PM	35	37	5:15 PM	30	49	5:15 PM	36	44
5:30 PM	28	35	5:30 PM	37	53	5:30 PM	42	47	5:30 PM	44	47	5:30 PM	46	45	5:30 PM	26	46	5:30 PM	36	45
5:45 PM	39	44	5:45 PM	54	55	5:45 PM	36	35	5:45 PM	40	45	5:45 PM	43	41	5:45 PM	28	33	5:45 PM	43	45
6:00 PM	40	42	6:00 PM	40	36	6:00 PM	33	47	6:00 PM	36	37	6:00 PM	42	42	6:00 PM	28	35	6:00 PM	38	42
6:15 PM	48	39	6:15 PM	44	46	6:15 PM	56	42	6:15 PM	49	34	6:15 PM	54	49	6:15 PM	43	28	6:15 PM	49	42
6:30 PM	36	47	6:30 PM	40	48	6:30 PM	55	41	6:30 PM	68	53	6:30 PM	47	46	6:30 PM	47	33	6:30 PM	44	45
6:45 PM	36	53	6:45 PM	31	45	6:45 PM	39	42	6:45 PM	49	44	6:45 PM	37	39	6:45 PM	51	35	6:45 PM	35	47
7:00 PM	31	50	7:00 PM	42	62	7:00 PM	45	46	7:00 PM	39	56	7:00 PM	34	45	7:00 PM	40	38	7:00 PM	39	53
7:15 PM	31	50	7:15 PM	37	53	7:15 PM	23	47	7:15 PM	35	43	7:15 PM	43	49	7:15 PM	47	40	7:15 PM	30	50
7:30 PM	32	57	7:30 PM	28	43	7:30 PM	46	51	7:30 PM	35	47	7:30 PM	34	46	7:30 PM	55	40	7:30 PM	35	50
7:45 PM	32	55	7:45 PM	26	43	7:45 PM	26	45	7:45 PM	30	44	7:45 PM	24	36	7:45 PM	38	36	7:45 PM	28	48
8:00 PM	33	50	8:00 PM	38	61	8:00 PM	25	48	8:00 PM	18	30	8:00 PM	29	50	8:00 PM	19	32	8:00 PM	32	53
8:15 PM	37	34	8:15 PM	42	43	8:15 PM	39	31	8:15 PM	24	40	8:15 PM	42	46	8:15 PM	20	29	8:15 PM	39	36
8:30 PM	34	34	8:30 PM	34	39	8:30 PM	44	42	8:30 PM	35	36	8:30 PM	25	33	8:30 PM	28	19	8:30 PM	37	38
8:45 PM	31	25	8:45 PM	39	42	8:45 PM	30	34	8:45 PM	38	31	8:45 PM	25	38	8:45 PM	27	25	8:45 PM	33	34
9:00 PM	29	20	9:00 PM	39	23	9:00 PM	32	36	9:00 PM	31	27	9:00 PM	33	32	9:00 PM	18	19	9:00 PM	33	26
9:15 PM	51	17	9:15 PM	67	32	9:15 PM	69	24	9:15 PM	56	23	9:15 PM	48	27	9:15 PM	17	16	9:15 PM	62	24
9:30 PM	73	21	9:30 PM	73	18	9:30 PM	61	22	9:30 PM	78	22	9:30 PM	43	31	9:30 PM	20	16	9:30 PM	69	20
9:45 PM	42	21	9:45 PM	47	17	9:45 PM	35	19	9:45 PM	35	18	9:45 PM	57	26	9:45 PM	16	12	9:45 PM	41	19
10:00 PM	27	13	10:00 PM	25	11	10:00 PM	25	10	10:00 PM	42	12	10:00 PM	37	18	10:00 PM	26	10	10:00 PM	26	11
10:15 PM	35	11	10:15 PM	22	11	10:15 PM	23	6	10:15 PM	23	19	10:15 PM	29	13	10:15 PM	24	6	10:15 PM	27	9
10:30 PM	27	13	10:30 PM	30	5	10:30 PM	36	7	10:30 PM	31	13	10:30 PM	39	16	10:30 PM	32	4	10:30 PM	31	8
10:45 PM	32	3	10:45 PM	23	5	10:45 PM	33	4	10:45 PM	39	11	10:45 PM	22	19	10:45 PM	11	5	10:45 PM	29	4
11:00 PM	27	7	11:00 PM	36	9	11:00 PM	18	11	11:00 PM	21	9	11:00 PM	19	11	11:00 PM	20	3	11:00 PM	27	9
11:15 PM	18	7	11:15 PM	26	7	11:15 PM	27	6	11:15 PM	23	8	11:15 PM	21	9	11:15 PM	18	2	11:15 PM	24	7
11:30 PM	24	7	11:30 PM	21	9	11:30 PM	33	5	11:30 PM	33	9	11:30 PM	29	8	11:30 PM	15	2	11:30 PM	26	7
11:45 PM	20	3	11:45 PM	20	1	11:45 PM	27	5	11:45 PM	21	4	11:45 PM	31	3	11:45 PM	11	4	11:45 PM	22	3
12:00 AM	14	7	12:00 AM	25	2	12:00 AM	12	8	12:00 AM	14	6	12:00 AM	25	5	12:00 AM	12	2	12:00 AM	17	6

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	7	0	0	0	2	0	2	5	6	6	7
30	6	0	0	0	2	0	1	3	0	1	7	13
45	14	2	2	2	0	3	3	0	2	7	13	12
00	13	0	0	1	1	1	1	2	2	5	11	14
Hr Total	56	9	2	3	3	6	5	7	9	19	37	46

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	18	11	26	35	36	32	48	31	37	51	35	18
30	19	24	26	32	27	28	36	32	34	73	27	24
45	10	21	27	28	31	39	36	32	31	42	32	20
00	17	24	37	29	26	40	31	33	29	27	27	14
Hr Total	64	80	116	124	120	139	151	128	131	193	121	76

24 Hour Total : 1645
AM peak hour begins : 11:30 AM peak volume : 63 Peak hour factor : 0.83
PM peak hour begins : 20:45 PM peak volume : 195 Peak hour factor : 0.67

****

Feb 18 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	5	2	0	0	1	1	8	12	18	53	34	30
30	2	0	0	1	1	2	11	16	22	41	27	34
45	0	0	1	1	1	12	12	20	23	35	33	43
00	2	1	0	0	1	13	27	15	38	42	39	53
Hr Total	9	3	1	2	4	28	58	63	101	171	133	160

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	60	64	48	50	37	49	39	50	34	17	11	7
30	51	50	39	30	31	35	47	57	34	21	13	7
45	75	49	49	44	36	44	53	55	25	21	3	3
00	69	37	42	34	49	42	50	50	20	13	7	7
Hr Total	255	200	178	158	153	170	189	212	113	72	34	24

24 Hour Total : 2491
AM peak hour begins : 11:30 AM peak volume : 207 Peak hour factor : 0.69
PM peak hour begins : 12:15 PM peak volume : 259 Peak hour factor : 0.86

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0218009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 18, 14
Stop date : Feb 18, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 18 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	28	9	0	0	1	3	8	14	23	59	40	37
30	8	0	0	1	3	2	12	19	22	42	34	47
45	14	2	3	3	1	15	15	20	25	42	46	55
00	15	1	0	1	2	14	28	17	40	47	50	67
Hr Total	65	12	3	5	7	34	63	70	110	190	170	206

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	78	75	74	85	73	81	87	81	71	68	46	25
30	70	74	65	62	58	63	83	89	68	94	40	31
45	85	70	76	72	67	83	89	87	56	63	35	23
00	86	61	79	63	75	82	81	83	49	40	34	21
Hr Total	319	280	294	282	273	309	340	340	244	265	155	100

24 Hour Total : 4136
AM peak hour begins : 11:30 AM peak volume : 270 Peak hour factor : 0.79
PM peak hour begins : 17:45 PM peak volume : 341 Peak hour factor : 0.96

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	22	0	3	2	0	2	4	1	3	4	11	14
30	8	2	0	4	1	0	2	3	2	0	12	10
45	10	1	0	2	1	3	1	1	5	5	12	17
00	3	1	1	0	0	4	2	5	7	3	14	18
Hr Total	43	4	4	8	2	9	9	10	17	12	49	59

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	13	26	28	23	17	46	44	37	42	67	22	26
30	18	23	19	30	44	37	40	28	34	73	30	21
45	13	27	21	41	35	54	31	26	39	47	23	20
00	22	21	39	33	31	40	42	38	39	25	36	25
Hr Total	66	97	107	127	127	177	157	129	154	212	111	92

24 Hour Total : 1782
AM peak hour begins : 11:30 AM peak volume : 66 Peak hour factor : 0.92
PM peak hour begins : 20:45 PM peak volume : 226 Peak hour factor : 0.77

****

Feb 19 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	3	0	1	1	1	0	7	17	11	51	30	46
30	2	0	0	0	1	4	11	18	24	50	32	32
45	1	0	0	0	0	7	15	18	31	43	49	46
00	1	0	3	0	3	13	32	22	55	28	46	61
Hr Total	7	0	4	1	5	24	65	75	121	172	157	185

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	57	55	47	42	37	47	46	53	43	32	11	7
30	76	39	38	43	46	53	48	43	39	18	5	9
45	69	46	50	36	38	55	45	43	42	17	5	1
00	67	44	40	31	38	36	62	61	23	11	9	2
Hr Total	269	184	175	152	159	191	201	200	147	78	30	19

24 Hour Total : 2621
AM peak hour begins : 11:30 AM peak volume : 240 Peak hour factor : 0.79
PM peak hour begins : 12:00 PM peak volume : 269 Peak hour factor : 0.88

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0219009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 19, 14
Stop date : Feb 19, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	25	0	4	3	1	2	11	18	14	55	41	60
30	10	2	0	4	2	4	13	21	26	50	44	42
45	11	1	0	2	1	10	16	19	36	48	61	63
00	4	1	4	0	3	17	34	27	62	31	60	79
Hr Total	50	4	8	9	7	33	74	85	138	184	206	244

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	70	81	75	65	54	93	90	90	85	99	33	33
30	94	62	57	73	90	90	88	71	73	91	35	30
45	82	73	71	77	73	109	76	69	81	64	28	21
00	89	65	79	64	69	76	104	99	62	36	45	27
Hr Total	335	281	282	279	286	368	358	329	301	290	141	111

24 Hour Total : 4403
AM peak hour begins : 11:30 AM peak volume : 306 Peak hour factor : 0.81
PM peak hour begins : 17:00 PM peak volume : 368 Peak hour factor : 0.84

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	26	1	0	1	0	1	1	3	6	7	5	10
30	13	1	1	0	2	1	0	3	3	5	5	12
45	4	1	3	0	3	1	0	3	4	15	12	10
00	4	1	1	2	0	1	1	3	2	4	9	16
Hr Total	47	4	5	3	5	4	2	12	15	31	31	48

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	15	16	24	40	43	30	56	23	39	69	23	27
30	20	22	31	35	34	42	55	46	44	61	36	33
45	18	21	28	33	23	36	39	26	30	35	33	27
00	12	19	35	39	21	33	45	25	32	25	18	12
Hr Total	65	78	118	147	121	141	195	120	145	190	110	99

24 Hour Total : 1736
AM peak hour begins : 11:30 AM peak volume : 61 Peak hour factor : 0.76
PM peak hour begins : 20:45 PM peak volume : 197 Peak hour factor : 0.71

****

Feb 20 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	8	1	2	0	1	2	6	15	19	50	31	42
30	0	0	0	2	4	1	15	12	19	41	32	34
45	1	0	1	0	2	7	10	18	28	43	38	51
00	3	0	0	2	5	10	31	23	63	34	41	64
Hr Total	12	1	3	4	12	20	62	68	129	168	142	191

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	59	63	42	46	40	36	42	47	31	24	6	6
30	82	45	42	35	35	47	41	51	42	22	7	5
45	65	41	53	26	36	35	42	45	34	19	4	5
00	70	36	52	44	36	47	46	48	36	10	11	8
Hr Total	276	185	189	151	147	165	171	191	143	75	28	24

24 Hour Total : 2557
AM peak hour begins : 11:30 AM peak volume : 256 Peak hour factor : 0.78
PM peak hour begins : 12:15 PM peak volume : 280 Peak hour factor : 0.85

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0220009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 20, 14
Stop date : Feb 20, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	2	2	1	1	3	7	18	25	57	36	52
30	13	1	1	2	6	2	15	15	22	46	37	46
45	5	1	4	0	5	8	10	21	32	58	50	61
00	7	1	1	4	5	11	32	26	65	38	50	80
Hr Total	59	5	8	7	17	24	64	80	144	199	173	239

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	74	79	66	86	83	66	98	70	70	93	29	33
30	102	67	73	70	69	89	96	97	86	83	43	38
45	83	62	81	59	59	71	81	71	64	54	37	32
00	82	55	87	83	57	80	91	73	68	35	29	20
Hr Total	341	263	307	298	268	306	366	311	288	265	138	123

24 Hour Total : 4293
AM peak hour begins : 11:30 AM peak volume : 317 Peak hour factor : 0.78
PM peak hour begins : 18:00 PM peak volume : 366 Peak hour factor : 0.93

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	25	1	1	0	1	1	6	3	1	4	6	29
30	4	2	0	1	1	1	5	1	4	1	7	17
45	3	3	2	0	0	0	0	3	3	5	10	17
00	3	0	1	1	0	4	0	1	3	8	17	18
Hr Total	35	6	4	2	2	6	11	8	11	18	40	81

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	20	13	37	32	36	48	49	35	24	56	23	23
30	14	20	24	26	41	44	68	35	35	78	31	33
45	24	20	32	38	31	40	49	30	38	35	39	21
00	20	24	36	44	27	36	39	18	31	42	21	14
Hr Total	78	77	129	140	135	168	205	118	128	211	114	91

24 Hour Total : 1818
AM peak hour begins : 11:00 AM peak volume : 81 Peak hour factor : 0.70
PM peak hour begins : 21:00 PM peak volume : 211 Peak hour factor : 0.68

****

Feb 21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	4	0	1	0	2	0	7	18	15	51	32	52
30	2	4	1	1	1	2	10	14	21	48	30	41
45	1	1	0	0	0	2	11	13	28	39	38	41
00	0	1	2	2	1	22	24	21	51	54	61	64
Hr Total	7	6	4	3	4	26	52	66	115	192	161	198

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	62	63	46	48	45	43	34	43	40	23	19	8
30	74	61	36	36	44	47	53	47	36	22	13	9
45	65	60	50	46	41	45	44	44	31	18	11	4
00	70	56	34	42	42	37	56	30	27	12	9	6
Hr Total	271	240	166	172	172	172	187	164	134	75	52	27

24 Hour Total : 2666
AM peak hour begins : 11:30 AM peak volume : 241 Peak hour factor : 0.81
PM peak hour begins : 12:15 PM peak volume : 272 Peak hour factor : 0.92

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0221009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 21, 14
Stop date : Feb 21, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	29	1	2	0	3	1	13	21	16	55	38	81
30	6	6	1	2	2	3	15	15	25	49	37	58
45	4	4	2	0	0	2	11	16	31	44	48	58
00	3	1	3	3	1	26	24	22	54	62	78	82
Hr Total	42	12	8	5	6	32	63	74	126	210	201	279

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	82	76	83	80	81	91	83	78	64	79	42	31
30	88	81	60	62	85	91	121	82	71	100	44	42
45	89	80	82	84	72	85	93	74	69	53	50	25
00	90	80	70	86	69	73	95	48	58	54	30	20
Hr Total	349	317	295	312	307	340	392	282	262	286	166	118

24 Hour Total : 4484
AM peak hour begins : 11:30 AM peak volume : 310 Peak hour factor : 0.87
PM peak hour begins : 18:00 PM peak volume : 392 Peak hour factor : 0.81

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	22	2	0	0	1	1	0	3	6	7	4	14
30	27	0	0	0	1	1	0	0	2	1	4	18
45	7	3	0	1	0	0	2	2	0	6	7	11
00	1	1	0	0	0	3	1	1	3	0	8	12
Hr Total	57	6	0	1	2	5	3	6	11	14	23	55

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	20	16	28	26	38	35	54	43	42	48	29	21
30	19	27	31	41	27	46	47	34	25	43	39	29
45	19	18	22	36	35	43	37	24	25	57	22	31
00	29	20	28	26	40	42	34	29	33	37	19	25
Hr Total	87	81	109	129	140	166	172	130	125	185	109	106

24 Hour Total : 1722
AM peak hour begins : 11:30 AM peak volume : 62 Peak hour factor : 0.77
PM peak hour begins : 17:30 PM peak volume : 186 Peak hour factor : 0.86

****

Feb 22 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	0	1	0	0	1	1	7	9	10	33	25	35
30	2	1	0	2	1	2	10	10	8	46	27	41
45	0	1	0	0	0	2	9	8	24	27	31	46
00	3	0	0	1	0	13	13	21	54	33	41	60
Hr Total	5	3	0	3	2	18	39	48	96	139	124	182

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	56	54	59	48	44	37	49	49	46	27	13	9
30	72	55	57	45	51	45	46	46	33	31	16	8
45	84	59	46	50	42	41	39	36	38	26	19	3
00	84	57	50	37	56	42	45	50	32	18	11	5
Hr Total	296	225	212	180	193	165	179	181	149	102	59	25

24 Hour Total : 2625
AM peak hour begins : 11:30 AM peak volume : 234 Peak hour factor : 0.70
PM peak hour begins : 12:00 PM peak volume : 296 Peak hour factor : 0.88

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0222009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 22, 14
Stop date : Feb 22, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 22 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	22	3	0	0	2	2	7	12	16	40	29	49
30	29	1	0	2	2	3	10	10	10	47	31	59
45	7	4	0	1	0	2	11	10	24	33	38	57
00	4	1	0	1	0	16	14	22	57	33	49	72
Hr Total	62	9	0	4	4	23	42	54	107	153	147	237

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	76	70	87	74	82	72	103	92	88	75	42	30
30	91	82	88	86	78	91	93	80	58	74	55	37
45	103	77	68	86	77	84	76	60	63	83	41	34
00	113	77	78	63	96	84	79	79	65	55	30	30
Hr Total	383	306	321	309	333	331	351	311	274	287	168	131

24 Hour Total : 4347
AM peak hour begins : 11:30 AM peak volume : 296 Peak hour factor : 0.72
PM peak hour begins : 12:00 PM peak volume : 383 Peak hour factor : 0.85

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 23, 14
Stop date : Feb 23, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 23 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	34	8	0	1	0	0	2	1	1	3	3	20
30	31	7	0	0	0	0	0	1	4	3	2	23
45	21	1	1	0	0	0	0	0	0	2	4	16
00	24	3	0	0	3	0	2	0	1	6	7	8
Hr Total	110	19	1	1	3	0	4	2	6	14	16	67

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	8	13	19	26	20	30	43	47	20	17	24	18
30	14	7	13	17	28	26	47	55	28	20	32	15
45	10	21	18	28	31	28	51	38	27	16	11	11
00	15	20	23	26	37	28	40	19	18	26	20	12
Hr Total	47	61	73	97	116	112	181	159	93	79	87	56

24 Hour Total : 1404
AM peak hour begins : 00:00 AM peak volume : 110 Peak hour factor : 0.81
PM peak hour begins : 18:30 PM peak volume : 193 Peak hour factor : 0.88

****

Feb 23 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	1	0	1	1	0	1	2	2	4	6	8	56
30	3	0	0	0	0	0	4	1	4	8	22	70
45	3	2	1	0	0	1	2	3	6	14	24	58
00	2	0	0	0	2	2	5	3	4	31	62	63
Hr Total	9	2	2	1	2	4	13	9	18	59	116	247

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	71	48	53	57	49	49	28	40	29	16	6	2
30	41	33	44	44	37	46	33	40	19	16	4	2
45	39	46	35	40	38	33	35	36	25	12	5	4
00	45	39	39	36	42	35	38	32	19	10	3	2
Hr Total	196	166	171	177	166	163	134	148	92	54	18	10

24 Hour Total : 1977
AM peak hour begins : 11:15 AM peak volume : 262 Peak hour factor : 0.92
PM peak hour begins : 12:00 PM peak volume : 196 Peak hour factor : 0.69

****

Traffic Survey Specialists, Inc. 624 Gardenia Terrace
Delray Beach, Florida 33444 Phone (561) 272-3255
Volume Report with 24 Hour Totals

****

Data File : D0223009.PRN
Station : 000000021711
Identification : 000210521057
Start date : Feb 23, 14
Stop date : Feb 23, 14
City/Town : Bal Harbour, Florida
Location : 9700 Block Driveway West of Collins Ave

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Dade

****

Feb 23 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	35	8	1	2	0	1	4	3	5	9	11	76
30	34	7	0	0	0	0	4	2	8	11	24	93
45	24	3	2	0	0	1	2	3	6	16	28	74
00	26	3	0	0	5	2	7	3	5	37	69	71
Hr Total	119	21	3	2	5	4	17	11	24	73	132	314

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	79	61	72	83	69	79	71	87	49	33	30	20
30	55	40	57	61	65	72	80	95	47	36	36	17
45	49	67	53	68	69	61	86	74	52	28	16	15
00	60	59	62	62	79	63	78	51	37	36	23	14
Hr Total	243	227	244	274	282	275	315	307	185	133	105	66

24 Hour Total : 3381
AM peak hour begins : 11:15 AM peak volume : 317 Peak hour factor : 0.85
PM peak hour begins : 18:30 PM peak volume : 346 Peak hour factor : 0.91

****

APPENDIX B
TURNING MOVEMENT COUNTS

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

BAL CROSS DRIVE & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: A. PALOMINO & R. MARTINEZ
NOT SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : BALCCOLL
Page : 1

LIGHT VEHICLES, HEAVY VEHICLES

	COLLINS AVENUE From North				CONDO EXIT From East				COLLINS AVENUE From South				BAL CROSS DRIVE From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	1	452	0	0	0	0	0	4	0	475	6	0	0	0	0	938
16:15	2	2	397	1	0	0	0	0	3	1	469	1	0	0	0	0	876
16:30	3	2	405	1	0	0	0	0	5	1	465	4	0	0	0	0	886
16:45	3	5	400	1	0	0	0	1	3	0	490	3	0	1	0	3	910
Hr Total	8	10	1654	3	0	0	0	1	15	2	1899	14	0	1	0	3	3610
17:00	3	2	406	0	0	0	0	0	7	2	494	7	0	0	0	1	922
17:15	8	1	462	1	0	0	0	0	4	0	526	5	4	1	0	0	1012
17:30	2	5	392	2	0	0	0	0	0	2	522	3	0	0	0	0	928
17:45	3	1	415	0	0	0	0	0	1	0	545	1	0	0	0	0	966
Hr Total	16	9	1675	3	0	0	0	0	12	4	2087	16	4	1	0	1	3828
18:00	8	5	398	0	0	0	0	2	2	0	440	3	1	0	0	0	859
18:15	3	4	399	0	0	0	0	0	4	0	479	4	0	0	0	0	893
18:30	3	1	446	0	0	0	0	0	5	0	409	0	1	0	0	0	865
18:45	6	1	361	1	0	0	0	0	2	2	440	3	2	0	0	0	818
Hr Total	20	11	1604	1	0	0	0	2	13	2	1768	10	4	0	0	0	3435
TOTAL	44	30	4933	7	0	0	0	3	40	8	5754	40	8	2	0	4	10873

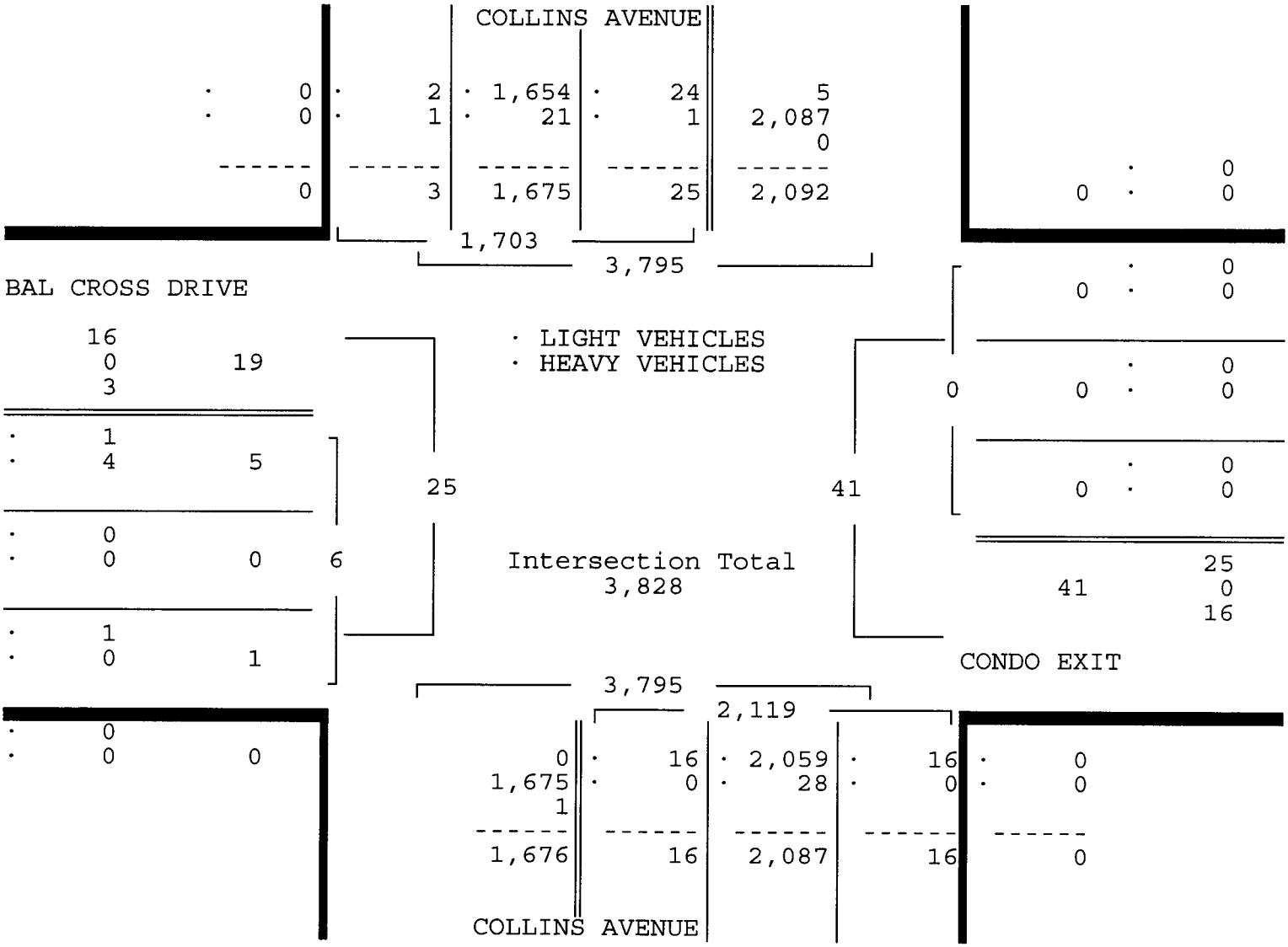
Traffic Survey Specialists, Inc.
624 Gardenia Terrace
Delray Beach, Florida 33444
Phone (561) 272-3255

BAL CROSS DRIVE & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: A. PALOMINO & R. MARTINEZ
NOT SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : BALCCOLL
Page : 2

LIGHT VEHICLES, HEAVY VEHICLES

	COLLINS AVENUE From North				CONDO EXIT From East				COLLINS AVENUE From South				BAL CROSS DRIVE From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
Peak Hour Analysis By Entire Intersection for the Period: 16:00 to 19:00 on 02/20/14																	
Peak start	17:00				17:00				17:00				17:00				
Volume	16	9	1675	3	0	0	0	0	12	4	2087	16	4	1	0	1	
Percent	1%	1%	98%	0%	0%	0%	0%	0%	1%	0%	98%	1%	67%	17%	0%	17%	
Pk total	1703				0				2119				6				
Highest	17:15				16:00				17:45				17:15				
Volume	8	1	462	1	0	0	0	0	1	0	545	1	4	1	0	0	
Hi total	472				0				547				5				
PHF	.90				.0				.97				.30				



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

BAL CROSS DRIVE & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: A. PALOMINO & R. MARTINEZ
NOT SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : BALCCOLL
Page : 1

HEAVY VEHICLES

	COLLINS AVENUE From North				CONDO EXIT From East				COLLINS AVENUE From South				BAL CROSS DRIVE From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	4	0	0	0	0	0	0	0	9	0	0	0	0	0	13
16:15	0	0	9	0	0	0	0	0	0	0	8	0	0	0	0	0	17
16:30	0	0	8	0	0	0	0	0	0	0	4	0	0	0	0	0	12
16:45	0	0	5	0	0	0	0	0	0	0	11	0	0	0	0	0	16
Hr Total	0	0	26	0	0	0	0	0	0	0	32	0	0	0	0	0	58
17:00	0	0	7	0	0	0	0	0	0	0	8	0	0	0	0	0	15
17:15	1	0	6	1	0	0	0	0	0	0	6	0	4	0	0	0	18
17:30	0	0	2	0	0	0	0	0	0	0	9	0	0	0	0	0	11
17:45	0	0	6	0	0	0	0	0	0	0	5	0	0	0	0	0	11
Hr Total	1	0	21	1	0	0	0	0	0	0	28	0	4	0	0	0	55
18:00	0	0	2	0	0	0	0	0	0	0	9	0	1	0	0	0	12
18:15	0	0	5	0	0	0	0	0	0	0	5	0	0	0	0	0	10
18:30	0	0	3	0	0	0	0	0	0	0	7	0	1	0	0	0	11
18:45	0	0	2	0	0	0	0	0	0	0	3	0	2	0	0	0	7
Hr Total	0	0	12	0	0	0	0	0	0	0	24	0	4	0	0	0	40
TOTAL	1	0	59	1	0	0	0	0	0	0	84	0	8	0	0	0	153

Traffic Survey Specialists, Inc.

BAL CROSS DRIVE & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: A. PALOMINO & R. MARTINEZ
NOT SIGNALIZED

624 Gardenia Terrace
Delray Beach, Florida 33444
Phone (561) 272-3255

Site Code : 00140031
Start Date: 02/20/14
File I.D. : BALCCOLL
Page : 1

PEDESTRIANS

	COLLINS AVENUE From North				CONDO EXIT From East				COLLINS AVENUE From South				BAL CROSS DRIVE From West				
	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	7	7	0	0	0	0	0	0	0	0	14
16:15	0	0	0	0	0	0	9	2	0	0	0	0	0	0	0	0	11
16:30	0	0	0	0	0	0	9	4	0	0	0	0	0	0	0	0	13
16:45	0	0	0	0	0	0	8	7	0	0	0	0	0	0	0	0	15
Hr Total	0	0	0	0	0	0	33	20	0	0	0	0	0	0	0	0	53
17:00	0	0	0	0	0	0	11	6	0	0	0	0	0	0	0	1	18
17:15	0	0	0	0	0	0	10	7	0	0	0	0	0	0	0	4	21
17:30	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
17:45	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	3	8
Hr Total	0	0	0	0	0	0	32	16	0	0	0	0	0	0	0	8	56
18:00	0	0	0	1	0	0	6	9	0	0	0	0	0	0	0	2	18
18:15	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	4	9
18:30	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	1	7
18:45	0	0	0	0	0	0	7	8	0	0	0	0	0	0	0	7	22
Hr Total	0	0	0	1	0	0	20	21	0	0	0	0	0	0	0	14	56
TOTAL	0	0	0	1	0	0	85	57	0	0	0	0	0	0	0	22	165

CONDO EXIT DRIVEWAY
NORTH OF INTERSECTION

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

9700 BLOCK & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: CARLOS PALOMINO
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 9700COLL
Page : 1

LIGHT VEHICLES, HEAVY VEHICLES

	COLLINS AVENUE From North				9700 BLOCK From East				COLLINS AVENUE From South				9700 BLOCK From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	1	3	405	28	0	13	1	15	3	15	450	5	0	41	0	3	983
16:15	1	3	384	24	0	6	0	8	2	12	438	8	0	30	2	3	921
16:30	0	7	355	32	0	4	0	5	0	7	477	7	0	21	0	6	921
16:45	0	5	416	29	0	7	0	4	3	10	488	6	0	19	2	0	989
Hr Total	2	18	1560	113	0	30	1	32	8	44	1853	26	0	111	4	12	3814
17:00	0	0	399	32	1	10	0	9	1	6	498	11	0	29	2	0	998
17:15	0	8	417	41	0	9	1	9	1	9	519	9	0	42	2	3	1070
17:30	0	7	362	31	0	7	0	8	1	10	506	10	0	37	0	3	982
17:45	0	4	424	35	0	13	0	7	3	14	568	22	0	29	4	4	1127
Hr Total	0	19	1602	139	1	39	1	33	6	39	2091	52	0	137	8	10	4177
18:00	0	4	399	29	0	5	2	5	4	19	433	5	0	57	1	3	966
18:15	0	10	380	28	0	7	0	3	7	17	472	8	0	56	0	2	990
18:30	2	9	418	29	0	11	1	3	3	12	428	10	0	47	1	2	976
18:45	0	7	338	30	0	15	4	4	4	18	430	16	0	44	1	3	914
Hr Total	2	30	1535	116	0	38	7	15	18	66	1763	39	0	204	3	10	3846
TOTAL	4	67	4697	368	1	107	9	80	32	149	5707	117	0	452	15	32	11837

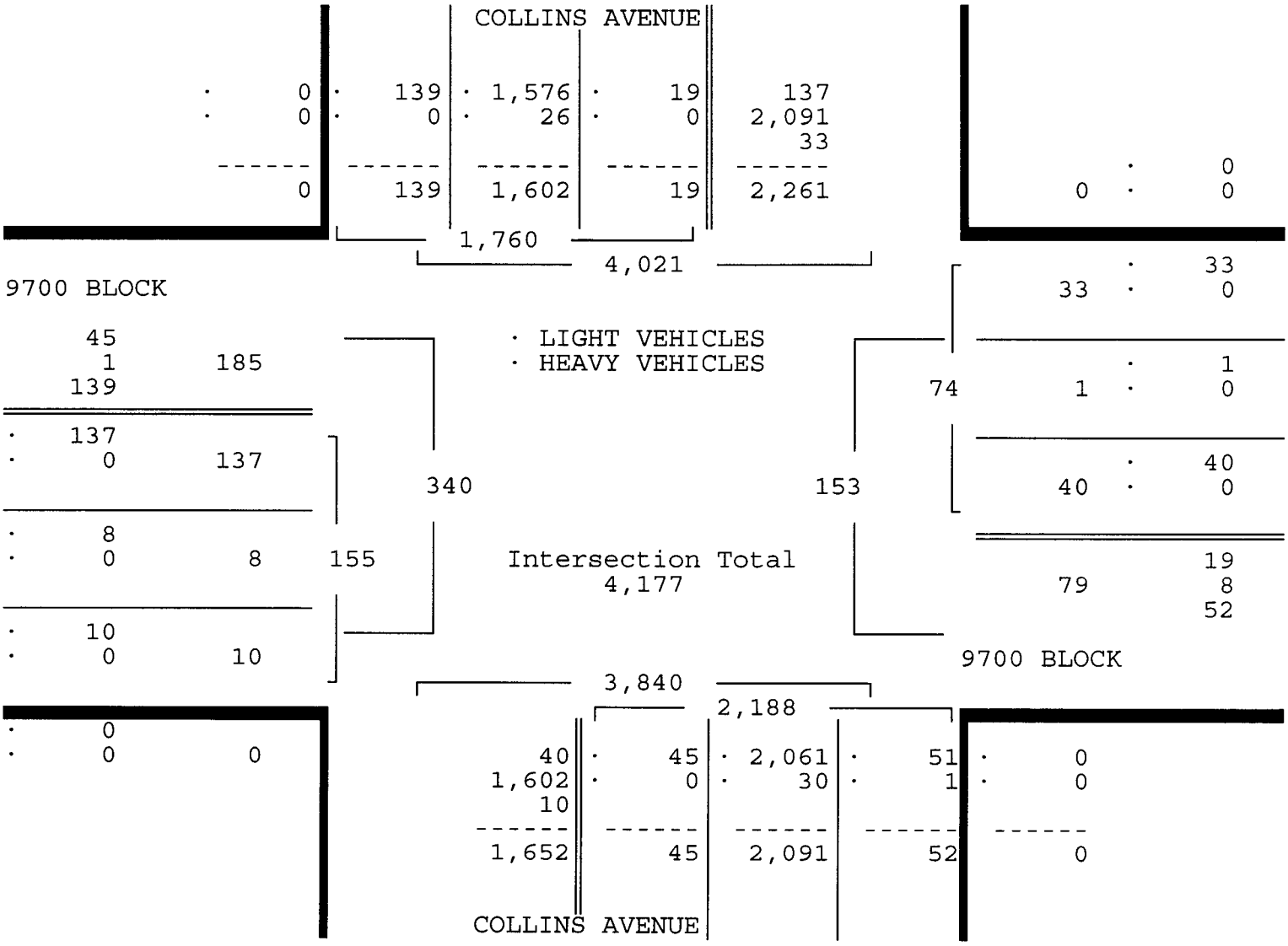
Traffic Survey Specialists, Inc.
624 Gardenia Terrace
Delray Beach, Florida 33444
Phone (561) 272-3255

9700 BLOCK & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: CARLOS PALOMINO
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 9700COLL
Page : 2

LIGHT VEHICLES, HEAVY VEHICLES

	COLLINS AVENUE From North				9700 BLOCK From East				COLLINS AVENUE From South				9700 BLOCK From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
Peak Hour Analysis By Entire Intersection for the Period: 16:00 to 19:00 on 02/20/14																	
Peak start 17:00					17:00				17:00				17:00				
Volume	0	19	1602	139	1	39	1	33	6	39	2091	52	0	137	8	10	
Percent	0%	1%	91%	8%	1%	53%	1%	45%	0%	2%	96%	2%	0%	88%	5%	6%	
Pk total	1760				74				2188				155				
Highest	17:15				17:00				17:45				17:15				
Volume	0	8	417	41	1	10	0	9	3	14	568	22	0	42	2	3	
Hi total	466				20				607				47				
PHF	.94				.92				.90				.82				



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Phone (561) 272-3255

9700 BLOCK & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: CARLOS PALOMINO
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 9700COLL
Page : 1

HEAVY VEHICLES

	COLLINS AVENUE From North				9700 BLOCK From East				COLLINS AVENUE From South				9700 BLOCK From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	8	0	0	0	0	0	0	0	9	0	0	0	0	0	17
16:15	0	0	10	0	0	0	0	0	0	0	7	0	0	0	0	0	17
16:30	0	0	7	0	0	0	0	0	0	0	5	0	0	0	0	0	12
16:45	0	0	5	0	0	0	0	0	0	0	10	0	0	0	0	0	15
Hr Total	0	0	30	0	0	0	0	0	0	0	31	0	0	0	0	0	61
17:00	0	0	6	0	0	0	0	0	0	0	9	0	0	0	0	0	15
17:15	0	0	4	0	0	0	0	0	0	0	7	0	0	0	0	0	11
17:30	0	0	4	0	0	0	0	0	0	0	9	0	0	0	0	0	13
17:45	0	0	12	0	0	0	0	0	0	0	5	1	0	0	0	0	18
Hr Total	0	0	26	0	0	0	0	0	0	0	30	1	0	0	0	0	57
18:00	0	0	3	0	0	0	0	0	0	0	7	0	0	0	0	0	10
18:15	0	0	5	0	0	1	0	0	0	0	6	0	0	0	0	0	12
18:30	0	0	5	0	0	0	0	0	0	0	5	0	0	0	0	0	10
18:45	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	5
Hr Total	0	0	15	0	0	1	0	0	0	0	21	0	0	0	0	0	37
TOTAL	0	0	71	0	0	1	0	0	0	0	82	1	0	0	0	0	155

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9700 BLOCK & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: CARLOS PALOMINO
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 9700COLL
Page : 1

PEDESTRIANS

	COLLINS AVENUE From North				9700 BLOCK From East				COLLINS AVENUE From South				9700 BLOCK From West				
	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	0	17	0	0	0	23	0	0	0	8	48
16:15	0	0	0	0	0	0	0	24	0	0	0	28	0	0	0	4	56
16:30	0	0	0	1	0	0	0	16	0	0	0	28	0	0	0	4	49
16:45	0	0	0	3	0	0	0	21	0	0	0	18	0	0	0	5	47
Hr Total	0	0	0	4	0	0	0	78	0	0	0	97	0	0	0	21	200
17:00	0	0	0	1	0	0	0	11	0	0	0	15	0	0	0	3	30
17:15	0	0	0	6	0	0	0	29	0	0	0	30	0	0	0	7	72
17:30	0	0	0	0	0	0	0	28	0	0	0	37	0	0	0	3	68
17:45	0	0	0	0	0	0	0	13	0	0	0	32	0	0	0	3	48
Hr Total	0	0	0	7	0	0	0	81	0	0	0	114	0	0	0	16	218
18:00	0	0	0	0	0	0	0	46	0	0	0	52	0	0	0	8	106
18:15	0	0	0	2	0	0	0	16	0	0	0	41	0	0	0	2	61
18:30	0	0	0	0	0	0	0	23	0	0	0	42	0	0	0	6	71
18:45	0	0	0	1	0	0	0	21	0	0	0	33	0	0	0	10	65
Hr Total	0	0	0	3	0	0	0	106	0	0	0	168	0	0	0	26	303
TOTAL	0	0	0	14	0	0	0	265	0	0	0	379	0	0	0	63	721

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S BAL HARBOUR SHOPS DRIVE & HARDING AVENUE, MIAMI, FLORIDA
COUNTED BY: A. LOPEZ & R. LOPEZ
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : BHSHARD_
Page : 1

LIGHT VEHICLES, HEAVY VEHICLES

	HARDING AVENUE From North				ST REGIS DRIVEWAY From East				COLLINS AVENUE From South				S BAL HARBOUR SHOPS DRIVE From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	424	2	0	5	0	9	28	3	429	13	2	0	0	21	936
16:15	0	0	387	0	0	6	0	3	38	3	447	3	0	0	0	15	902
16:30	0	0	360	4	1	3	0	11	27	1	449	6	0	0	0	18	880
16:45	0	0	411	3	0	3	0	10	20	1	476	7	0	0	0	13	944
Hr Total	0	0	1582	9	1	17	0	33	113	8	1801	29	2	0	0	67	3662
17:00	0	0	395	1	0	1	0	11	32	3	485	3	0	0	0	19	950
17:15	0	0	407	0	0	7	0	5	15	1	530	3	1	0	0	11	980
17:30	0	0	361	1	0	4	0	5	22	1	507	3	0	0	1	19	924
17:45	0	0	424	2	0	5	0	5	24	2	555	5	0	0	0	20	1042
Hr Total	0	0	1587	4	0	17	0	26	93	7	2077	14	1	0	1	69	3896
18:00	0	0	422	2	0	2	0	4	17	0	456	3	0	0	0	16	922
18:15	0	0	374	0	0	4	0	6	14	3	469	6	0	0	0	21	897
18:30	0	0	411	2	0	4	0	2	21	0	423	1	0	0	0	20	884
18:45	0	0	357	0	0	1	0	5	25	5	455	0	0	0	0	17	865
Hr Total	0	0	1564	4	0	11	0	17	77	8	1803	10	0	0	0	74	3568
TOTAL	0	0	4733	17	1	45	0	76	283	23	5681	53	3	0	1	210	11126

S BAL HARBOUR SHOPS DRIVE & HARDING AVENUE, MIAMI, FLORIDA
COUNTED BY: A. LOPEZ & R. LOPEZ
SIGNALIZED

Traffic Survey Specialists, Inc.
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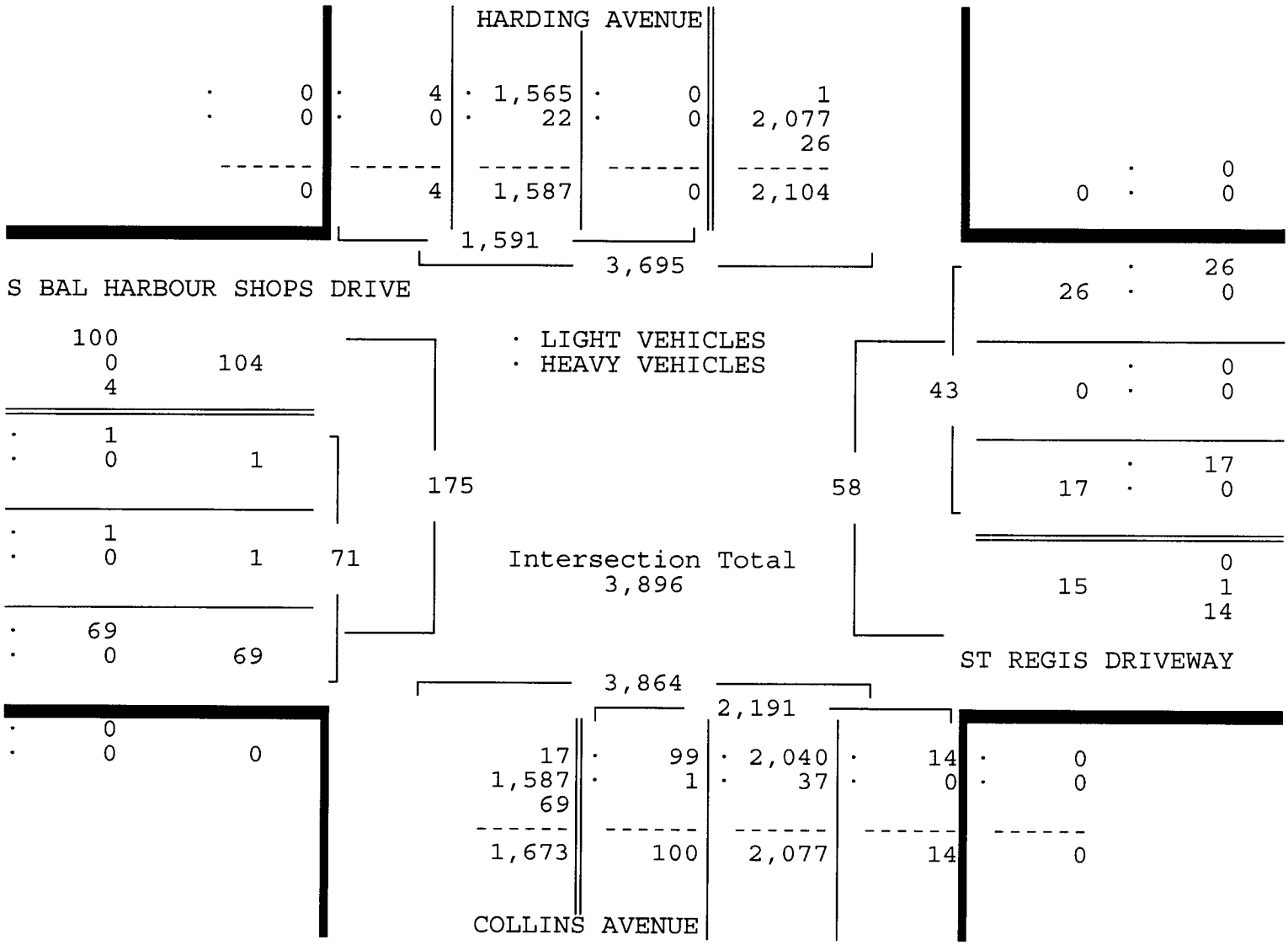
Site Code : 00140031
Start Date: 02/20/14
File I.D. : BHSHARD_
Page : 2

LIGHT VEHICLES, HEAVY VEHICLES

	HARDING AVENUE From North				ST REGIS DRIVEWAY From East				COLLINS AVENUE From South				S BAL HARBOUR SHOPS DRIVE From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
Peak Hour Analysis By Entire Intersection for the Period: 16:00 to 19:00 on 02/20/14																	
Peak start	17:00				17:00				17:00				17:00				
Volume	0	0	1587	4	0	17	0	26	93	7	2077	14	1	0	1	69	
Percent	0%	0%	100%	0%	0%	40%	0%	60%	4%	0%	95%	1%	1%	0%	1%	97%	
Pk total	1591				43				2191				71				
Highest	17:45				17:00				17:45				17:30				
Volume	0	0	424	2	0	1	0	11	24	2	555	5	0	0	1	19	
Hi total	426				12				586				20				
PHF	.93				.90				.93				.89				



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S BAL HARBOUR SHOPS DRIVE & HARDING AVENUE, MIAMI, FLORIDA
COUNTED BY: A. LOPEZ & R. LOPEZ
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : BHSHARD_
Page : 1

HEAVY VEHICLES

	HARDING AVENUE From North				ST REGIS DRIVEWAY From East				COLLINS AVENUE From South				S BAL HARBOUR SHOPS DRIVE From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	9	0	0	1	0	1	1	0	5	1	2	0	0	0	20
16:15	0	0	9	0	0	1	0	1	1	0	8	0	0	0	0	0	20
16:30	0	0	8	0	0	0	0	1	0	0	5	0	0	0	0	0	14
16:45	0	0	6	0	0	0	0	0	1	0	11	0	0	0	0	0	18
Hr Total	0	0	32	0	0	2	0	3	3	0	29	1	2	0	0	0	72
17:00	0	0	7	0	0	0	0	0	1	0	14	0	0	0	0	0	22
17:15	0	0	4	0	0	0	0	0	0	0	7	0	0	0	0	0	11
17:30	0	0	3	0	0	0	0	0	0	0	10	0	0	0	0	0	13
17:45	0	0	8	0	0	0	0	0	0	0	6	0	0	0	0	0	14
Hr Total	0	0	22	0	0	0	0	0	1	0	37	0	0	0	0	0	60
18:00	0	0	4	0	0	0	0	0	0	0	8	0	0	0	0	0	12
18:15	0	0	6	0	0	0	0	0	0	0	5	1	0	0	0	0	12
18:30	0	0	6	0	0	0	0	0	0	0	6	0	0	0	0	0	12
18:45	0	0	2	0	0	0	0	0	1	0	4	0	0	0	0	0	7
Hr Total	0	0	18	0	0	0	0	0	1	0	23	1	0	0	0	0	43
TOTAL	0	0	72	0	0	2	0	3	5	0	89	2	2	0	0	0	175

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S BAL HARBOUR SHOPS DRIVE & HARDING AVENUE, MIAMI, FLORIDA
COUNTED BY: A. LOPEZ & R. LOPEZ
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : BHSHARD_
Page : 1

PEDESTRIANS

	HARDING AVENUE From North				ST REGIS DRIVEWAY From East				COLLINS AVENUE From South				S BAL HARBOUR SHOPS DRIVE From West				
	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Total
Date 02/20/14																	
16:00	0	0	0	7	0	0	0	0	0	0	0	12	0	0	0	28	47
16:15	0	0	0	12	0	0	0	0	0	0	0	12	0	0	0	45	69
16:30	0	0	0	10	0	0	0	0	0	0	0	21	0	0	0	39	70
16:45	0	0	0	5	0	0	0	0	0	0	0	8	0	0	0	25	38
Hr Total	0	0	0	34	0	0	0	0	0	0	0	53	0	0	0	137	224
17:00	0	0	0	2	0	0	0	0	0	0	0	4	0	0	0	20	26
17:15	0	0	0	6	0	0	0	0	0	0	0	5	0	0	0	56	67
17:30	0	0	0	7	0	0	0	0	0	0	0	5	0	0	0	37	49
17:45	0	0	0	5	0	0	0	0	0	0	0	5	0	0	0	71	81
Hr Total	0	0	0	20	0	0	0	0	0	0	0	19	0	0	0	184	223
18:00	0	0	0	6	0	0	0	0	0	0	0	1	0	0	0	58	65
18:15	0	0	0	4	0	0	0	0	0	0	0	5	0	0	0	58	67
18:30	0	0	0	7	0	0	0	0	0	0	0	4	0	0	0	45	56
18:45	0	0	0	5	0	0	0	0	0	0	0	6	0	0	0	36	47
Hr Total	0	0	0	22	0	0	0	0	0	0	0	16	0	0	0	197	235
TOTAL	0	0	0	76	0	0	0	0	0	0	0	88	0	0	0	518	682

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96TH STREET & BAL HARBOUR SHOPS
BAL HARBOUR, FLORIDA
COUNTED BY: LUIS PALOMINO
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 96ST500B
Page : 1

LIGHT VEHICLES, HEAVY VEHICLES

	BAL HARBOUR SHOPS From North				96TH STREET From East				----- From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	20	0	14	2	0	251	5	0	0	0	0	0	11	229	0	532
16:15	1	20	0	11	7	0	249	14	0	0	0	0	0	9	256	0	567
16:30	0	19	0	16	2	0	248	6	0	0	0	0	3	13	232	0	539
16:45	0	18	0	12	11	0	254	8	0	0	0	0	3	18	231	0	555
Hr Total	1	77	0	53	22	0	1002	33	0	0	0	0	6	51	948	0	2193
17:00	0	25	0	17	8	0	283	8	0	0	0	0	1	15	175	0	532
17:15	0	29	0	14	7	0	253	9	0	0	0	0	2	13	220	0	547
17:30	0	26	0	16	5	0	242	10	0	0	0	0	3	9	221	0	532
17:45	1	18	0	18	6	0	259	13	0	0	0	0	0	20	250	0	585
Hr Total	1	98	0	65	26	0	1037	40	0	0	0	0	6	57	866	0	2196
18:00	0	35	0	34	8	0	238	11	0	0	0	0	0	16	239	0	581
18:15	0	35	0	18	8	0	225	5	0	0	0	0	0	7	250	0	548
18:30	0	25	0	21	8	0	228	6	0	0	0	0	0	11	223	0	522
18:45	0	19	0	12	5	0	225	5	0	0	0	0	1	7	202	0	476
Hr Total	0	114	0	85	29	0	916	27	0	0	0	0	1	41	914	0	2127
TOTAL	2	289	0	203	77	0	2955	100	0	0	0	0	13	149	2728	0	6516

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96TH STREET & BAL HARBOUR SHOPS
BAL HARBOUR, FLORIDA
COUNTED BY: LUIS PALOMINO
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 96ST500B
Page : 1

HEAVY VEHICLES

	BAL HARBOUR SHOPS From North				96TH STREET From East				----- From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	5	2	0	0	0	0	0	0	3	0	10
16:15	1	0	0	0	0	0	4	1	0	0	0	0	0	1	5	0	12
16:30	0	1	0	1	0	0	2	0	0	0	0	0	0	0	4	0	8
16:45	0	0	0	0	1	0	4	0	0	0	0	0	0	0	2	0	7
Hr Total	1	1	0	1	1	0	15	3	0	0	0	0	0	1	14	0	37
17:00	0	0	0	1	0	0	4	0	0	0	0	0	0	0	3	0	8
17:15	0	0	0	0	0	0	3	0	0	0	0	0	0	1	3	0	7
17:30	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	4
17:45	1	0	0	0	0	0	2	1	0	0	0	0	0	0	3	0	7
Hr Total	1	0	0	1	0	0	12	1	0	0	0	0	0	1	10	0	26
18:00	0	1	0	2	0	0	1	0	0	0	0	0	0	0	3	0	7
18:15	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	0	6
18:30	0	0	0	1	0	0	1	1	0	0	0	0	0	0	2	0	5
18:45	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	3
Hr Total	0	1	0	3	0	0	5	2	0	0	0	0	0	0	10	0	21
TOTAL	2	2	0	5	1	0	32	6	0	0	0	0	0	2	34	0	84

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96TH STREET & BAL HARBOUR SHOPS
BAL HARBOUR, FLORIDA
COUNTED BY: LUIS PALOMINO
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 96ST500B
Page : 1

PEDESTRIANS

	BAL HARBOUR SHOPS From North				96TH STREET From East				----- From South				96TH STREET From West				
	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Total
Date 02/20/14																	
16:00	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	8	18
16:15	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	4	23
16:30	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	1	13
16:45	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	6	31
Hr Total	0	0	0	66	0	0	0	0	0	0	0	0	0	0	0	19	85
17:00	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	18
17:15	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	3	11
17:30	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	3	8
17:45	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	12
Hr Total	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	6	49
18:00	0	0	0	15	0	0	0	1	0	0	0	0	0	0	0	2	18
18:15	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	3	22
18:30	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	2	17
18:45	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	1	17
Hr Total	0	0	0	65	0	0	0	1	0	0	0	0	0	0	0	8	74
TOTAL	0	0	0	174	0	0	0	1	0	0	0	0	0	0	0	33	208

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96TH STREET & BYRON AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: MARISA CRUZ
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 96STBYRO
Page : 1

LIGHT VEHICLES, HEAVY VEHICLES

	----- From North				96TH STREET From East				BYRON AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	198	0	0	61	0	5	0	0	259	0	523
16:15	0	0	0	0	0	0	207	0	0	63	0	8	0	0	291	0	569
16:30	0	0	0	0	1	0	178	0	0	81	0	10	0	0	277	0	547
16:45	0	0	0	0	0	0	179	0	0	104	0	13	0	0	267	0	563
Hr Total	0	0	0	0	1	0	762	0	0	309	0	36	0	0	1094	0	2202
17:00	0	0	0	0	0	0	214	0	0	89	0	19	0	0	216	0	538
17:15	0	0	0	0	0	0	160	0	0	104	0	14	1	0	268	0	547
17:30	0	0	0	0	0	0	169	0	0	94	0	10	2	0	273	0	548
17:45	0	0	0	0	0	0	192	0	0	83	0	9	3	0	287	0	574
Hr Total	0	0	0	0	0	0	735	0	0	370	0	52	6	0	1044	0	2207
18:00	0	0	0	0	0	0	170	0	0	87	0	12	0	0	293	0	562
18:15	0	0	0	0	0	0	157	0	0	81	0	7	0	0	297	0	542
18:30	0	0	0	0	0	0	175	0	0	80	0	5	0	0	269	0	529
18:45	0	0	0	0	2	0	158	0	0	84	0	7	0	0	240	0	491
Hr Total	0	0	0	0	2	0	660	0	0	332	0	31	0	0	1099	0	2124
TOTAL	0	0	0	0	3	0	2157	0	0	1011	0	119	6	0	3237	0	6533

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96TH STREET & BYRON AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: MARISA CRUZ
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
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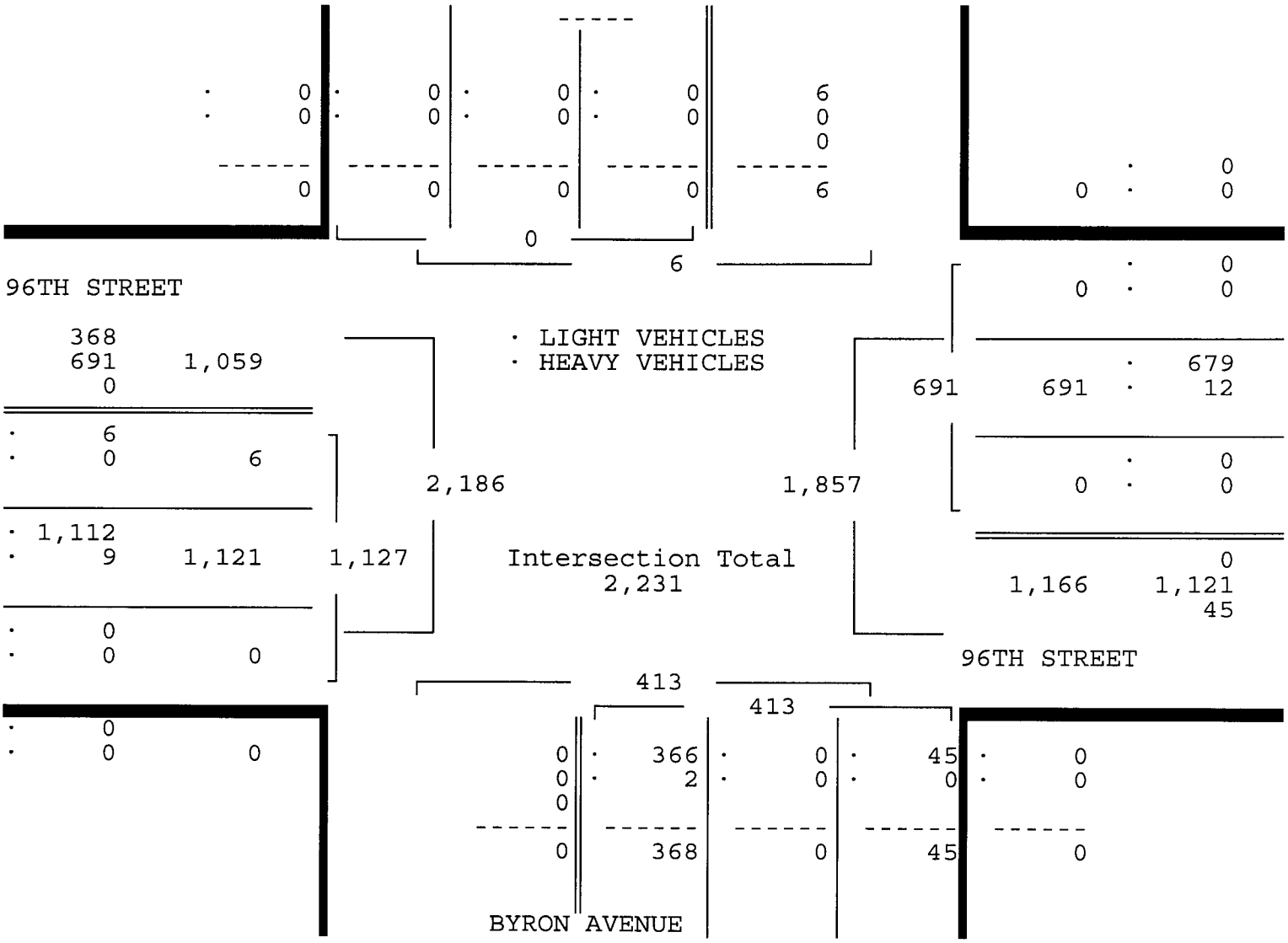
LIGHT VEHICLES, HEAVY VEHICLES

----- From North				96TH STREET From East				BYRON AVENUE From South				96TH STREET From West				
UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																
Peak Hour Analysis By Entire Intersection for the Period: 16:00 to 19:00 on 02/20/14																
Peak start 17:15				17:15				17:15				17:15				
Volume 0	0	0	0	0	0	691	0	0	368	0	45	6	0	1121	0	
Percent 0%	0%	0%	0%	0%	0%	100%	0%	0%	89%	0%	11%	1%	0%	99%	0%	
Pk total 0				691				413				1127				
Highest 16:00				17:45				17:15				18:00				
Volume 0	0	0	0	0	0	192	0	0	104	0	14	0	0	293	0	
Hi total 0				192				118				293				
PHF .0				.90				.88				.96				



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HEAVY VEHICLES

	----- From North				96TH STREET From East				BYRON AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	9	0	0	0	0	0	0	0	5	0	14
16:15	0	0	0	0	0	0	5	0	0	1	0	0	0	0	3	0	9
16:30	0	0	0	0	0	0	4	0	0	0	0	0	0	0	7	0	11
16:45	0	0	0	0	0	0	6	0	0	0	0	0	0	0	3	0	9
Hr Total	0	0	0	0	0	0	24	0	0	1	0	0	0	0	18	0	43
17:00	0	0	0	0	0	0	4	0	0	0	0	0	0	0	3	0	7
17:15	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	5
17:30	0	0	0	0	0	0	4	0	0	1	0	0	0	0	1	0	6
17:45	0	0	0	0	0	0	5	0	0	0	0	0	0	0	3	0	8
Hr Total	0	0	0	0	0	0	16	0	0	1	0	0	0	0	9	0	26
18:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0	4
18:15	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3	0	5
18:30	0	0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	7
18:45	0	0	0	0	0	0	2	0	0	1	0	0	0	0	1	0	4
Hr Total	0	0	0	0	0	0	6	0	0	3	0	0	0	0	11	0	20
TOTAL	0	0	0	0	0	0	46	0	0	5	0	0	0	0	38	0	89

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PEDESTRIANS

	----- From North				96TH STREET From East				BYRON AVENUE From South				96TH STREET From West				
	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	0	4	0	0	0	8	0	0	0	0	12
16:15	0	0	0	0	0	0	0	5	0	0	0	14	0	0	0	0	19
16:30	0	0	0	0	0	0	0	2	0	0	0	12	0	0	0	0	14
16:45	0	0	0	0	0	0	0	7	0	0	0	11	0	0	0	0	18
Hr Total	0	0	0	0	0	0	0	18	0	0	0	45	0	0	0	0	63
17:00	0	0	0	0	0	0	0	5	0	0	0	6	0	0	0	0	11
17:15	0	0	0	0	0	0	0	4	0	0	0	13	0	0	0	0	17
17:30	0	0	0	0	0	0	0	3	0	0	0	10	0	0	0	0	13
17:45	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	6
Hr Total	0	0	0	0	0	0	0	15	0	0	0	32	0	0	0	0	47
18:00	0	0	0	0	0	0	0	3	0	0	0	9	0	0	0	0	12
18:15	0	0	0	0	0	0	0	3	0	0	0	4	0	0	0	0	7
18:30	0	0	0	0	0	0	0	2	0	0	0	13	0	0	0	0	15
18:45	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8
Hr Total	0	0	0	0	0	0	0	8	0	0	0	34	0	0	0	0	42
TOTAL	0	0	0	0	0	0	0	41	0	0	0	111	0	0	0	0	152

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96TH STREET & HARDING AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: RALPH ESPADA
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
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LIGHT VEHICLES, HEAVY VEHICLES

	HARDING AVENUE From North				96TH STREET From East				HARDING AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	16	362	87	0	1	116	0	0	0	0	0	0	0	106	124	812
16:15	0	14	355	85	0	1	113	0	0	0	0	0	0	0	100	141	809
16:30	0	8	315	68	0	0	112	0	0	0	0	0	3	0	119	126	751
16:45	0	10	398	77	0	1	99	0	0	0	0	0	0	0	107	126	818
Hr Total	0	48	1430	317	0	3	440	0	0	0	0	0	3	0	432	517	3190
17:00	0	7	336	99	0	1	111	0	0	0	0	0	0	0	89	94	737
17:15	0	6	387	61	0	1	102	0	0	0	0	0	0	0	117	125	799
17:30	0	6	322	55	0	0	114	0	0	0	0	0	0	0	86	114	697
17:45	0	3	384	77	0	0	116	0	0	0	0	0	0	0	97	135	812
Hr Total	0	22	1429	292	0	2	443	0	0	0	0	0	0	0	389	468	3045
18:00	0	9	357	63	0	0	113	0	0	0	0	0	0	0	98	138	778
18:15	1	10	365	58	0	1	99	0	0	0	0	0	0	0	113	138	785
18:30	0	3	353	95	0	2	91	0	0	0	0	0	1	0	103	127	775
18:45	0	11	326	75	0	0	81	0	0	0	0	0	0	0	92	117	702
Hr Total	1	33	1401	291	0	3	384	0	0	0	0	0	1	0	406	520	3040
TOTAL	1	103	4260	900	0	8	1267	0	0	0	0	0	4	0	1227	1505	9275

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SIGNALIZED

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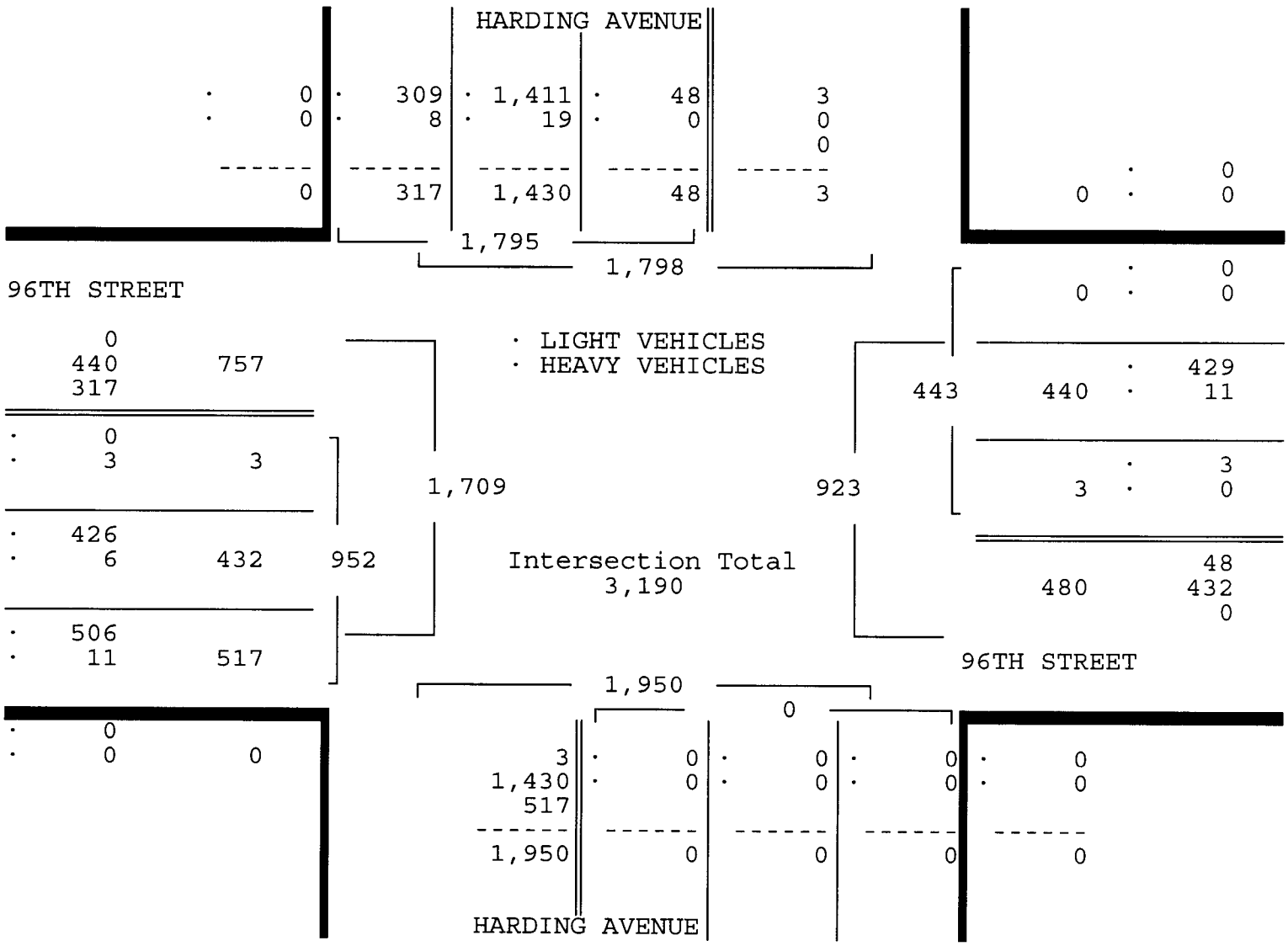
LIGHT VEHICLES, HEAVY VEHICLES

	HARDING AVENUE From North				96TH STREET From East				HARDING AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
Peak Hour Analysis By Entire Intersection for the Period: 16:00 to 19:00 on 02/20/14																	
Peak start 16:00					16:00				16:00				16:00				
Volume	0	48	1430	317	0	3	440	0	0	0	0	0	3	0	432	517	
Percent	0%	3%	80%	18%	0%	1%	99%	0%	0%	0%	0%	0%	0%	0%	45%	54%	
Pk total	1795				443				0				952				
Highest	16:45				16:00				16:00				16:30				
Volume	0	10	398	77	0	1	116	0	0	0	0	0	3	0	119	126	
Hi total	485				117				0				248				
PHF	.93				.95				.0				.96				



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HEAVY VEHICLES

	HARDING AVENUE From North				96TH STREET From East				HARDING AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	4	4	0	0	4	0	0	0	0	0	0	0	4	2	18
16:15	0	0	5	2	0	0	2	0	0	0	0	0	0	0	1	4	14
16:30	0	0	6	1	0	0	2	0	0	0	0	0	3	0	1	3	16
16:45	0	0	4	1	0	0	3	0	0	0	0	0	0	0	0	2	10
Hr Total	0	0	19	8	0	0	11	0	0	0	0	0	3	0	6	11	58
17:00	0	0	5	1	0	1	2	0	0	0	0	0	0	0	3	2	14
17:15	0	0	6	0	0	0	2	0	0	0	0	0	0	0	0	3	11
17:30	0	0	4	0	0	0	4	0	0	0	0	0	0	0	1	0	9
17:45	0	0	3	2	0	0	3	0	0	0	0	0	0	0	1	2	11
Hr Total	0	0	18	3	0	1	11	0	0	0	0	0	0	0	5	7	45
18:00	0	0	5	0	0	0	0	0	0	0	0	0	0	0	2	1	8
18:15	0	1	4	0	0	0	1	0	0	0	0	0	0	0	2	0	8
18:30	0	0	4	1	0	0	2	0	0	0	0	0	1	0	1	1	10
18:45	0	0	4	0	0	0	1	0	0	0	0	0	0	0	0	1	6
Hr Total	0	1	17	1	0	0	4	0	0	0	0	0	1	0	5	3	32
TOTAL	0	1	54	12	0	1	26	0	0	0	0	0	4	0	16	21	135

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PEDESTRIANS

	HARDING AVENUE From North				96TH STREET From East				HARDING AVENUE From South				96TH STREET From West				
	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Total
Date 02/20/14																	
16:00	0	0	0	5	0	0	0	7	0	0	0	1	0	0	0	34	47
16:15	0	0	0	12	0	0	0	14	0	0	0	2	0	0	0	53	81
16:30	0	0	0	11	0	0	0	2	0	0	0	5	0	0	0	42	60
16:45	0	0	0	11	0	0	0	3	0	0	0	1	0	0	0	14	29
Hr Total	0	0	0	39	0	0	0	26	0	0	0	9	0	0	0	143	217
17:00	0	0	0	3	0	0	0	1	0	0	0	2	0	0	0	34	40
17:15	0	0	0	22	0	0	0	6	0	0	0	0	0	0	0	28	56
17:30	0	0	0	16	0	0	0	10	0	0	0	1	0	0	0	26	53
17:45	0	0	0	19	0	0	0	1	0	0	0	0	0	0	0	31	51
Hr Total	0	0	0	60	0	0	0	18	0	0	0	3	0	0	0	119	200
18:00	0	0	0	20	0	0	0	6	0	0	0	1	0	0	0	43	70
18:15	0	0	0	3	0	0	0	11	0	0	0	1	0	0	0	40	55
18:30	0	0	0	5	0	0	0	3	0	0	0	14	0	0	0	26	48
18:45	0	0	0	14	0	0	0	13	0	0	0	0	0	0	0	29	56
Hr Total	0	0	0	42	0	0	0	33	0	0	0	16	0	0	0	138	229
TOTAL	0	0	0	141	0	0	0	77	0	0	0	28	0	0	0	400	646

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96TH STREET & COLLINS AVENUE
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LIGHT VEHICLES, HEAVY VEHICLES

	COLLINS AVENUE From North				96TH STREET From East				COLLINS AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	3	1	0	110	371	2	0	106	4	0	597
16:15	0	0	0	0	0	0	0	6	0	112	396	6	0	96	4	0	620
16:30	0	0	0	0	0	0	3	5	0	104	373	3	0	119	2	0	609
16:45	0	0	0	0	0	0	4	3	0	101	411	2	0	109	3	0	633
Hr Total	0	0	0	0	0	0	10	15	0	427	1551	13	0	430	13	0	2459
17:00	0	0	0	0	0	0	2	3	0	103	426	2	0	88	0	0	624
17:15	0	0	0	0	0	0	4	3	0	105	449	4	0	107	4	0	676
17:30	0	0	0	0	0	0	3	1	0	112	464	1	0	82	0	0	663
17:45	0	0	0	0	0	0	0	1	0	110	478	3	0	100	1	0	693
Hr Total	0	0	0	0	0	0	9	8	0	430	1817	10	0	377	5	0	2656
18:00	0	0	0	0	0	0	2	3	0	112	385	2	0	89	5	0	598
18:15	0	0	0	0	0	0	0	0	0	96	372	3	0	117	2	0	590
18:30	0	0	0	0	0	0	2	1	0	80	343	1	0	96	4	0	527
18:45	0	0	0	0	0	0	2	1	0	77	403	3	0	93	7	0	586
Hr Total	0	0	0	0	0	0	6	5	0	365	1503	9	0	395	18	0	2301
TOTAL	0	0	0	0	0	0	25	28	0	1222	4871	32	0	1202	36	0	7416

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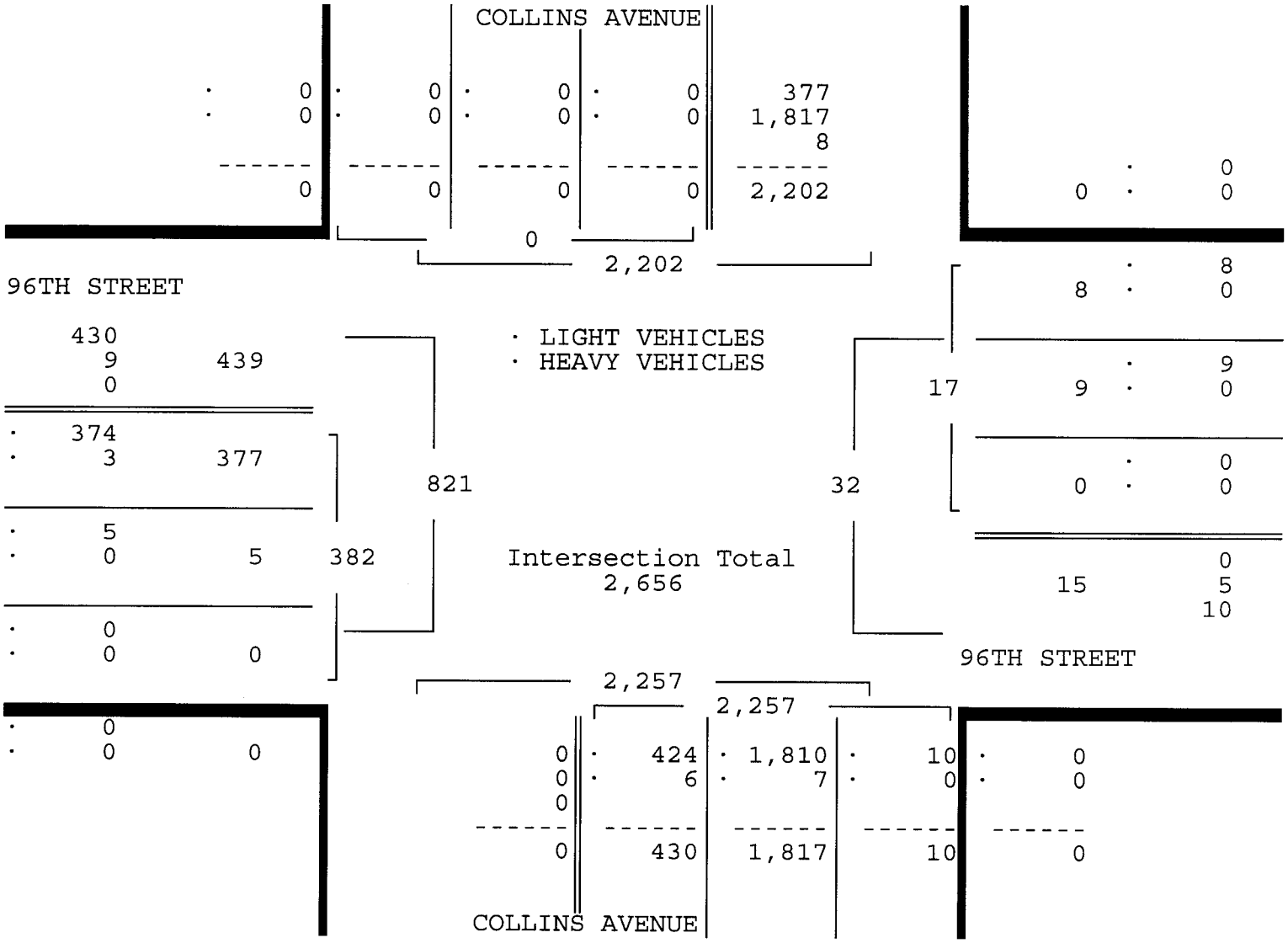
LIGHT VEHICLES, HEAVY VEHICLES

	COLLINS AVENUE From North				96TH STREET From East				COLLINS AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
Peak Hour Analysis By Entire Intersection for the Period: 16:00 to 19:00 on 02/20/14																	
Peak start	17:00				17:00				17:00				17:00				
Volume	0	0	0	0	0	0	9	8	0	430	1817	10	0	377	5	0	
Percent	0%	0%	0%	0%	0%	0%	53%	47%	0%	19%	81%	0%	0%	99%	1%	0%	
Pk total	0				17				2257				382				
Highest	16:00				17:15				17:45				17:15				
Volume	0	0	0	0	0	0	4	3	0	110	478	3	0	107	4	0	
Hi total	0				7				591				111				
PHF	.0				.61				.95				.86				



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HEAVY VEHICLES

	COLLINS AVENUE From North				96TH STREET From East				COLLINS AVENUE From South				96TH STREET From West				
	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	UTurn	Left	Thru	Right	Total
Date 02/20/14																	
16:00	0	0	0	0	0	0	0	0	0	1	3	0	0	1	0	0	5
16:15	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3
16:30	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	3
16:45	0	0	0	0	0	0	0	0	0	3	5	0	0	0	0	0	8
Hr Total	0	0	0	0	0	0	0	0	0	7	11	0	0	1	0	0	19
17:00	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	5
17:15	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
17:30	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	4
17:45	0	0	0	0	0	0	0	0	0	1	1	0	0	3	0	0	5
Hr Total	0	0	0	0	0	0	0	0	0	6	7	0	0	3	0	0	16
18:00	0	0	0	0	0	0	0	0	0	0	3	0	0	2	0	0	5
18:15	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
18:30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
18:45	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Hr Total	0	0	0	0	0	0	0	0	0	2	5	0	0	3	0	0	10
TOTAL	0	0	0	0	0	0	0	0	0	15	23	0	0	7	0	0	45

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

96TH STREET & COLLINS AVENUE
BAL HARBOUR, FLORIDA
COUNTED BY: ISIDRO GONZALEZ
SIGNALIZED

Site Code : 00140031
Start Date: 02/20/14
File I.D. : 96STCOLL
Page : 1

PEDESTRIANS

	COLLINS AVENUE From North				96TH STREET From East				COLLINS AVENUE From South				96TH STREET From West				
	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Left	Thru	RIGHT	PEDS	Total
Date 02/20/14																	
16:00	0	0	0	3	0	0	0	5	0	0	0	12	0	0	0	6	26
16:15	0	0	0	8	0	0	0	11	0	0	0	18	0	0	0	0	37
16:30	0	0	0	1	0	0	0	1	0	0	0	13	0	0	0	6	21
16:45	0	0	0	6	0	0	0	9	0	0	0	16	0	0	0	6	37
Hr Total	0	0	0	18	0	0	0	26	0	0	0	59	0	0	0	18	121
17:00	0	0	0	1	0	0	0	0	0	0	0	18	0	0	0	4	23
17:15	0	0	0	0	0	0	0	8	0	0	0	23	0	0	0	3	34
17:30	0	0	0	1	0	0	0	3	0	0	0	14	0	0	0	3	21
17:45	0	0	0	5	0	0	0	6	0	0	0	15	0	0	0	1	27
Hr Total	0	0	0	7	0	0	0	17	0	0	0	70	0	0	0	11	105
18:00	0	0	0	2	0	0	0	11	0	0	0	13	0	0	0	10	36
18:15	0	0	0	1	0	0	0	11	0	0	0	27	0	0	0	5	44
18:30	0	0	0	1	0	0	0	7	0	0	0	29	0	0	0	2	39
18:45	0	0	0	0	0	0	0	9	0	0	0	16	0	0	0	1	26
Hr Total	0	0	0	4	0	0	0	38	0	0	0	85	0	0	0	18	145
TOTAL	0	0	0	29	0	0	0	81	0	0	0	214	0	0	0	47	371

APPENDIX C
FDOT TABLES AND ADJUSTMENT FACTORS

2013 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL
CATEGORY: 8700 MIAMI-DADE NORTH

MOCF: 0.97

WEEK	DATES	SF	PSCF
1	01/01/2013 - 01/05/2013	1.03	1.06
2	01/06/2013 - 01/12/2013	1.03	1.06
3	01/13/2013 - 01/19/2013	1.03	1.06
4	01/20/2013 - 01/26/2013	1.01	1.04
5	01/27/2013 - 02/02/2013	1.00	1.03
6	02/03/2013 - 02/09/2013	0.99	1.02
* 7	02/10/2013 - 02/16/2013	0.97	1.00
* 8	02/17/2013 - 02/23/2013	0.96	0.99
* 9	02/24/2013 - 03/02/2013	0.96	0.99
*10	03/03/2013 - 03/09/2013	0.96	0.99
*11	03/10/2013 - 03/16/2013	0.96	0.99
*12	03/17/2013 - 03/23/2013	0.97	1.00
*13	03/24/2013 - 03/30/2013	0.97	1.00
*14	03/31/2013 - 04/06/2013	0.97	1.00
*15	04/07/2013 - 04/13/2013	0.98	1.01
*16	04/14/2013 - 04/20/2013	0.98	1.01
*17	04/21/2013 - 04/27/2013	0.98	1.01
*18	04/28/2013 - 05/04/2013	0.99	1.02
*19	05/05/2013 - 05/11/2013	0.99	1.02
20	05/12/2013 - 05/18/2013	1.00	1.03
21	05/19/2013 - 05/25/2013	1.00	1.03
22	05/26/2013 - 06/01/2013	1.00	1.03
23	06/02/2013 - 06/08/2013	1.01	1.04
24	06/09/2013 - 06/15/2013	1.01	1.04
25	06/16/2013 - 06/22/2013	1.02	1.05
26	06/23/2013 - 06/29/2013	1.02	1.05
27	06/30/2013 - 07/06/2013	1.03	1.06
28	07/07/2013 - 07/13/2013	1.04	1.07
29	07/14/2013 - 07/20/2013	1.05	1.08
30	07/21/2013 - 07/27/2013	1.04	1.07
31	07/28/2013 - 08/03/2013	1.03	1.06
32	08/04/2013 - 08/10/2013	1.03	1.06
33	08/11/2013 - 08/17/2013	1.02	1.05
34	08/18/2013 - 08/24/2013	1.02	1.05
35	08/25/2013 - 08/31/2013	1.02	1.05
36	09/01/2013 - 09/07/2013	1.02	1.05
37	09/08/2013 - 09/14/2013	1.02	1.05
38	09/15/2013 - 09/21/2013	1.02	1.05
39	09/22/2013 - 09/28/2013	1.02	1.05
40	09/29/2013 - 10/05/2013	1.01	1.04
41	10/06/2013 - 10/12/2013	1.01	1.04
42	10/13/2013 - 10/19/2013	1.01	1.04
43	10/20/2013 - 10/26/2013	1.01	1.04
44	10/27/2013 - 11/02/2013	1.01	1.04
45	11/03/2013 - 11/09/2013	1.01	1.04
46	11/10/2013 - 11/16/2013	1.01	1.04
47	11/17/2013 - 11/23/2013	1.02	1.05
48	11/24/2013 - 11/30/2013	1.02	1.05
49	12/01/2013 - 12/07/2013	1.02	1.05
50	12/08/2013 - 12/14/2013	1.02	1.05
51	12/15/2013 - 12/21/2013	1.03	1.06
52	12/22/2013 - 12/28/2013	1.03	1.06
53	12/29/2013 - 12/31/2013	1.03	1.06

* PEAK SEASON

TABLE 4

Generalized **Peak Hour Two-Way** Volumes for Florida's **Urbanized Areas**[1]

12/18/12

INTERRUPTED FLOW FACILITIES

STATE SIGNALIZED ARTERIALS

Class I (40 mph or higher posted speed limit)

Lanes	Median	B	C	D	E
2	Undivided	*	1,510	1,600	**
4	Divided	*	3,420	3,580	**
6	Divided	*	5,250	5,390	**
8	Divided	*	7,090	7,210	**

Class II (35 mph or slower posted speed limit)

Lanes	Median	B	C	D	E
2	Undivided	*	660	1,330	1,410
4	Divided	*	1,310	2,920	3,040
6	Divided	*	2,090	4,500	4,590
8	Divided	*	2,880	6,060	6,130

Non-State Signalized Roadway Adjustments

(Alter corresponding state volumes by the indicated percent.)

Non-State Signalized Roadways - 10%

Median & Turn Lane Adjustments

Lanes	Median	Exclusive Left Lanes	Exclusive Right Lanes	Adjustment Factors
2	Divided	Yes	No	+5%
2	Undivided	No	No	-20%
Multi	Undivided	Yes	No	-5%
Multi	Undivided	No	No	-25%
–	–	–	Yes	+ 5%

One-Way Facility Adjustment

Multiply the corresponding two-directional volumes in this table by 0.6

BICYCLE MODE[2]

(Multiply motorized vehicle volumes shown below by number of directional roadway lanes to determine two-way maximum service volumes.)

Paved Shoulder/Bicycle Lane Coverage	B	C	D	E
0-49%	*	260	680	1,770
50-84%	190	600	1,770	>1,770
85-100%	830	1,770	>1,770	**

PEDESTRIAN MODE[2]

(Multiply motorized vehicle volumes shown below by number of directional roadway lanes to determine two-way maximum service volumes.)

Sidewalk Coverage	B	C	D	E
0-49%	*	*	250	850
50-84%	*	150	780	1,420
85-100%	340	960	1,560	>1,770

BUS MODE (Scheduled Fixed Route)[3]

(Buses in peak hour in peak direction)

Sidewalk Coverage	B	C	D	E
0-84%	> 5	≥ 4	≥ 3	≥ 2
85-100%	> 4	≥ 3	≥ 2	≥ 1

UNINTERRUPTED FLOW FACILITIES

FREEWAYS

Lanes	B	C	D	E
4	4,120	5,540	6,700	7,190
6	6,130	8,370	10,060	11,100
8	8,230	11,100	13,390	15,010
10	10,330	14,040	16,840	18,930
12	14,450	18,880	22,030	22,860

Freeway Adjustments

Auxiliary Lanes Present in Both Directions	Ramp Metering
+ 1,800	+ 5%

UNINTERRUPTED FLOW HIGHWAYS

Lanes	Median	B	C	D	E
2	Undivided	770	1,530	2,170	2,990
4	Divided	3,300	4,660	5,900	6,530
6	Divided	4,950	6,990	8,840	9,790

Uninterrupted Flow Highway Adjustments

Lanes	Median	Exclusive left lanes	Adjustment factors
2	Divided	Yes	+5%
Multi	Undivided	Yes	-5%
Multi	Undivided	No	-25%

[1] Values shown are presented as peak hour two-way volumes for levels of service and are for the automobile/truck modes unless specifically stated. This table does not constitute a standard and should be used only for general planning applications. The computer models from which this table is derived should be used for more specific planning applications. The table and deriving computer models should not be used for corridor or intersection design, where more refined techniques exist. Calculations are based on planning applications of the Highway Capacity Manual and the Transit Capacity and Quality of Service Manual.

[2] Level of service for the bicycle and pedestrian modes in this table is based on number of motorized vehicles, not number of bicyclists or pedestrians using the facility.

[3] Buses per hour shown are only for the peak hour in the single direction of the higher traffic flow.

* Cannot be achieved using table input value defaults.

** Not applicable for that level of service letter grade. For the automobile mode, volumes greater than level of service D become F because intersection capacities have been reached. For the bicycle mode, the level of service letter grade (including F) is not achievable because there is no maximum vehicle volume threshold using table input value defaults.

Source:
Florida Department of Transportation
Systems Planning Office
www.dot.state.fl.us/planning/systems/sm/los/default.shtm

APPENDIX D
BAL HARBOUR SHOPS
PARKING DATA

Bal Harbour Shops Daily Parking Data (by month during 2013)

Ave Car Count (Cars/Day)

	2013	% of Ave	Factor to Ave. Day during the Year	3-Month Average	% of Peak Season	Factor to Ave. Day during the Pk Sea
January	2,675	117.8%	0.85		104.0%	0.96
February	2,532	111.5%	**0.90**	2,572	98.4%	**1.02**
March	2,510	110.6%	0.90		97.6%	1.02
April	2,273	100.1%	1.00		88.4%	1.13
May	2,214	97.5%	1.03		86.1%	1.16
June	2,032	89.5%	1.12		79.0%	1.27
July	2,287	100.7%	0.99		88.9%	1.12
August	2,042	90.0%	1.11		79.4%	1.26
September	1,810	79.7%	1.25		70.4%	1.42
October	1,945	85.7%	1.17		75.6%	1.32
November	2,163	95.3%	1.05		84.1%	1.19
December	2,757	121.5%	0.82		107.2%	0.93
Average	2,270					

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF JANUARY

DATE: 27-Jan-2014
Event Parking not deducted - Report A

DATE: 01/27/2014
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Jan	Tuesday	3725	2717 *a	-27.1%	-27.1%	Sunny	162
02-Jan	Wednesday	3355	3507	4.5%	-12.1%	Sunny	431
03-Jan	Thursday	3209	3424	6.7%	-6.2%	Sunny	86
04-Jan	Friday	3259	3442	5.6%	-3.4%	Sunny	Full
05-Jan	Saturday	3395	3566	5.0%	-1.7%	Sunny	88
06-Jan	Sunday	2543	2800	10.1%	-0.2%	Sunny	360
07-Jan	Monday	2625	2882	9.8%	1.0%	Sunny	166
08-Jan	Tuesday	2443	2799	14.6%	2.4%	Sunny	139
09-Jan	Wednesday	2873	2830	-1.5%	2.0%	Sunny	103
10-Jan	Thursday	2580	2701	4.7%	2.2%	Sunny	138
11-Jan	Friday	2705	2817	4.1%	2.4%	Sunny	145
12-Jan	Saturday	3442	3033	-11.9%	1.0%	Sunny	158
13-Jan	Sunday	2285	2289	0.2%	1.0%	Sunny	488
14-Jan	Monday	2438	2312	-5.2%	0.6%	Sunny	219
15-Jan	Tuesday	2235	2383	6.6%	0.9%	Sunny	299
16-Jan	Wednesday	2215	2335	5.4%	1.1%	Sunny	225
17-Jan	Thursday	2311	2567	11.1%	1.6%	Sunny	151
18-Jan	Friday	2532	2675	5.6%	1.8%	Sunny	140
19-Jan	Saturday	2746	3119	13.6%	2.4%	Sunny	73
20-Jan	Sunday	2031	2084	2.6%	2.4%	Sunny	535
21-Jan	Monday	2133 *b	2440 *b	14.4%	2.9%	Sunny	249
22-Jan	Tuesday	2472	2228	0.0%	0.0%	Sunny	298
23-Jan	Wednesday	2225	2363	6.2%	2.5%	Sunny	191
24-Jan	Thursday	2399	2377	-0.9%	2.4%	Sunny	216
25-Jan	Friday	2467	3192	29.4%	3.4%	Sunny	133
26-Jan	Saturday	2866	2731	-4.7%	3.0%	Sunny	294
27-Jan	Sunday	2220	2228	0.4%	2.9%	Sunny	296
28-Jan	Monday	2076	2224	7.1%	3.1%	Sunny	209
29-Jan	Tuesday	2250	2283	1.5%	3.0%	Sunny	203
30-Jan	Wednesday	2088	2289	9.6%	3.2%	Sunny	120
31-Jan	Thursday	2218	2278	2.7%	3.2%	Sunny	227
Month to Date Totals		80361	82915		3.2%		
Avg Cumm Car Count:		2592	2675		82		

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

*a=New Year 2013
*b=Martin Luther King 2012 and 2013

BAL HARBOUR SHOPS

PARKING REPORT FOR THE MONTH OF FEBRUARY

DATE: 01-Mar-2013

Event Parking not deducted - Report A

DATE: 03/01/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Feb	Friday	2518	2417	-4.0%	-4.0%	Sunny	270
02-Feb	Saturday	2863	2717	-5.1%	-4.6%	Sunny	162
03-Feb	Sunday	1838	1908	3.8%	-2.5%	Sunny	573
04-Feb	Monday	2230	2241	0.5%	-1.8%	Sunny	227
05-Feb	Tuesday	2179	2193	0.6%	-1.3%	Sunny	349
06-Feb	Wednesday	2035	2235	9.8%	0.4%	Sunny	263
07-Feb	Thursday	2683	2501	-6.8%	-0.8%	Sunny	188
08-Feb	Friday	2399	2614	9.0%	0.4%	Sunny	217
09-Feb	Saturday	2901	2926	0.9%	0.5%	Sunny	165
10-Feb	Sunday	2357	2464	4.5%	0.9%	Sunny	452
11-Feb	Monday	2471	2403	-2.8%	0.5%	Sunny	281
12-Feb	Tuesday	2801 *a	2729	-2.6%	0.2%	Sunny	295
13-Feb	Wednesday	2412	2807	16.4%	1.5%	Sunny	253
14-Feb	Thursday	2732	3355 *b	22.8%	3.2%	Sunny	139
15-Feb	Friday	2665	3165	18.8%	4.3%	Sunny	45
16-Feb	Saturday	2938	3432	16.8%	5.2%	Sunny	67
17-Feb	Sunday	2360	2803	18.8%	6.0%	Sunny	383
18-Feb	Monday	2773	2631	-5.1%	5.3%	Sunny	270
19-Feb	Tuesday	2483	2283	-8.1%	4.6%	Sunny	301
20-Feb	Wednesday	2468	2283	-7.5%	4.0%	Sunny	311
21-Feb	Thursday	2622	2269	-13.5%	3.1%	Sunny	314
22-Feb	Friday	2482	2605	0.0%	0.0%	Sunny	275
23-Feb	Saturday	2872	2689	-6.4%	2.7%	Sunny	264
24-Feb	Sunday	2518	1919	-23.8%	1.6%	Sunny	584
25-Feb	Monday	2478	2361	-4.7%	1.4%	Sunny	367
26-Feb	Tuesday	2116	2098	-0.9%	1.3%	Sunny	356
27-Feb	Wednesday	2242	2337	4.2%	1.4%	Sunny	268
28-Feb	Thursday	2088	2507	20.1%	2.0%	Sunny	256

Month to Date Totals	69524	70892	2.0%
Avg Cumm Car Count:	2483	2532	49

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

*a=Valentine Day.
'b=Valentine Day.

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF MARCH

DATE: 02-Apr-2013

Event Parking not deducted - Report A

DATE: 04/02/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Mar	Friday	2356	2528	7.3%	7.3%	Sunny	219
02-Mar	Saturday	2584	3024	17.0%	12.4%	Sunny	177
03-Mar	Sunday	2287	2211	-3.3%	7.4%	Sunny	506
04-Mar	Monday	2041	2093	2.5%	6.3%	Sunny	368
05-Mar	Tuesday	2116	2180	3.0%	5.7%	Sunny	294
06-Mar	Wednesday	2142	2221	3.7%	5.4%	Sunny	306
07-Mar	Thursday	1970	2318	17.7%	7.0%	Sunny	321
08-Mar	Friday	2272	2481	9.2%	7.2%	Sunny	231
09-Mar	Saturday	2647	2855	7.9%	7.3%	Sunny	289
10-Mar	Sunday	1896	2014	6.2%	7.2%	Sunny	588
11-Mar	Monday	2070	2088	0.9%	6.7%	Sunny	351
12-Mar	Tuesday	2080	2136	2.7%	6.4%	Sunny	376
13-Mar	Wednesday	2321	2302	-0.8%	5.8%	Sunny	364
14-Mar	Thursday	2585	2863	10.8%	6.2%	Sunny	256
15-Mar	Friday	2436	2577	5.8%	6.2%	Sunny	239
16-Mar	Saturday	2534	2647	4.5%	6.1%	Sunny	356
17-Mar	Sunday	2071	2248	8.5%	6.2%	Sunny	509
18-Mar	Monday	2249	2160	-4.0%	5.6%	Sunny	359
19-Mar	Tuesday	2199	2552	16.1%	6.2%	Sunny	350
20-Mar	Wednesday	2347	2356	0.4%	5.9%	Sunny	266
21-Mar	Thursday	2501	2759	10.3%	6.1%	Sunny	278
22-Mar	Friday	2459	2600	0.0%	0.0%	Sunny	190
23-Mar	Saturday	2662	2825	6.1%	6.1%	Sunny	283
24-Mar	Sunday	2152	2416	12.3%	6.3%	Sunny	493
25-Mar	Monday	2123	2377	12.0%	6.5%	Sunny	328
26-Mar	Tuesday	2357	2569	9.0%	6.6%	Sunny	258
27-Mar	Wednesday	2498	2862	14.6%	7.0%	Sunny	203
28-Mar	Thursday	2822	3286	16.4%	7.4%	Sunny	135
29-Mar	Friday	2817	3279	16.4%	7.7%	Sunny	203
30-Mar	Saturday	2944	3388	15.1%	8.0%	Sunny	120
31-Mar	Sunday	2033	1583 *a	-22.1%	7.2%	Sunny	N/A
Month to Date Totals		72571	77798		7.2%		
Avg Cumm Car Count:		2341	2510		169		

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

**a=Easter Day.*

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF APRIL

DATE: 01-May-2013
Event Parking not deducted - Report A

DATE: 05/01/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Apr	Monday	2239	2870	28.2%	28.2%	Sunny	226
02-Apr	Tuesday	2597	2495	-3.9%	10.9%	Sunny	332
03-Apr	Wednesday	2457	2593	5.5%	9.1%	Sunny	395
04-Apr	Thursday	3087	2656	-14.0%	2.3%	Sunny	217
05-Apr	Friday	2885	2883	-0.1%	1.7%	Sunny	84
06-Apr	Saturday	3167	2929	-7.5%	-0.0%	Sunny	266
07-Apr	Sunday	1528 *a	2232	46.1%	3.9%	Sunny	556
08-Apr	Monday	2557	2010	-21.4%	0.7%	Sunny	464
09-Apr	Tuesday	2481	2103	-15.2%	-1.0%	Sunny	394
10-Apr	Wednesday	2509	2155	-14.1%	-2.3%	Sunny	375
11-Apr	Thursday	2497	2390	-4.3%	-2.5%	Sunny	312
12-Apr	Friday	2763	2416	-12.6%	-3.4%	Sunny	286
13-Apr	Saturday	3257	2804	-13.9%	-4.4%	Sunny	217
14-Apr	Sunday	2231	1853	-16.9%	-5.1%	Sunny	306
15-Apr	Monday	2196	1885	-14.2%	-5.7%	Sunny	431
16-Apr	Tuesday	2097	1807	-13.8%	-6.1%	Sunny	451
17-Apr	Wednesday	2011	2136	6.2%	-5.5%	Sunny	436
18-Apr	Thursday	2218	2126	-4.1%	-5.4%	Sunny	395
19-Apr	Friday	2505	2084	-16.8%	-6.0%	Sunny	290
20-Apr	Saturday	2938	2258	-23.1%	-7.0%	Sunny	148
21-Apr	Sunday	2018	1738	-13.9%	-7.3%	Sunny	617
22-Apr	Monday	1903	1939	0.0%	0.0%	Sunny	464
23-Apr	Tuesday	2014	1863	-7.5%	-7.0%	Sunny	419
24-Apr	Wednesday	2200	2142	-2.6%	-6.8%	Sunny	369
25-Apr	Thursday	2121	2293	8.1%	-6.3%	Sunny	310
26-Apr	Friday	2460	2456	-0.2%	-6.1%	Sunny	255
27-Apr	Saturday	3103	2834	-8.7%	-6.2%	Sunny	263
28-Apr	Sunday	2407	2083	-13.5%	-6.4%	Sunny	542
29-Apr	Monday	2255	2005	-11.1%	-6.6%	Sunny	419
30-Apr	Tuesday	2171	2150	-1.0%	-6.4%	Sunny	247

Month to Date Totals	72872	68188	-6.4%
Avg Cumm Car Count:	2429	2273	-156

a=Easter Day 2012. Only restaurants were opened.

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF MAY

DATE: 04-Jun-2013

Event Parking not deducted - Report A

DATE: 06/04/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-May	Wednesday	2003	2178	8.7%	8.7%	Sunny	N/A
02-May	Thursday	2201	2315	5.2%	6.9%	Sunny	N/A
03-May	Friday	2364	2554	8.0%	7.3%	Sunny	N/A
04-May	Saturday	2592	2822	8.9%	7.7%	Sunny	N/A
05-May	Sunday	1805	1936	7.3%	7.7%	Sunny	N/A
06-May	Monday	1978	2068	4.6%	7.2%	Sunny	N/A
07-May	Tuesday	2124	2099	-1.2%	6.0%	Sunny	N/A
08-May	Wednesday	2221	2221	0.0%	5.2%	Sunny	N/A
09-May	Thursday	2611	2420	-7.3%	3.6%	Sunny	N/A
10-May	Friday	2453	2477	1.0%	3.3%	Sunny	N/A
11-May	Saturday	3135	2851	-9.1%	1.8%	Sunny	N/A
12-May	Sunday	1985 *a	2090 *a	5.3%	2.0%	Sunny	N/A
13-May	Monday	1873	1924	2.7%	2.1%	Sunny	N/A
14-May	Tuesday	1831	2029	10.8%	2.6%	Sunny	N/A
15-May	Wednesday	2039	1890	-7.3%	2.0%	Sunny	N/A
16-May	Thursday	2016	2074	2.9%	2.0%	Sunny	N/A
17-May	Friday	2235	2322	3.9%	2.1%	Sunny	N/A
18-May	Saturday	2642	2497	-5.5%	1.6%	Sunny	N/A
19-May	Sunday	1722	1884	9.4%	2.0%	Sunny	N/A
20-May	Monday	1931	1890	-2.1%	1.8%	Rainy	N/A
21-May	Tuesday	1898	2023	6.6%	2.0%	Rainy	N/A
22-May	Wednesday	2043	2170	0.0%	0.0%	Sunny	N/A
23-May	Thursday	2145	2198	2.5%	2.2%	Sunny	N/A
24-May	Friday	2271	2456	8.1%	2.4%	Sunny	N/A
25-May	Saturday	2559	2732	6.8%	2.6%	Sunny	N/A
26-May	Sunday	1925	1973	2.5%	2.6%	Sunny	N/A
27-May	Monday	1810 *b	1946 *b	7.5%	2.8%	Sunny	N/A
28-May	Tuesday	1998	1995	-0.2%	2.7%	Sunny	N/A
29-May	Wednesday	1953	2016	3.2%	2.7%	Sunny	N/A
30-May	Thursday	2217	2303	3.9%	2.7%	Sunny	N/A
31-May	Wednesday	2347	2283	-2.7%	2.6%	Sunny	0
Month to Date Totals		66927	68636		2.6%		
Avg Cumm Car Count:		2159	2214		55		

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

**a=Mother Day 2012 and 2013.*
'b=Memorial Day 2012 and 2013

BAL HARBOUR SHOPS

PARKING REPORT FOR THE MONTH OF JUNE

DATE: 02-Jul-2013

Event Parking not deducted - Report A

DATE: 07/02/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Jun	Saturday	2369	2607	10.0%	10.0%	Sunny	N/A
02-Jun	Sunday	1663	1904	14.5%	11.9%	Sunny	N/A
03-Jun	Monday	1697	1736	2.3%	9.0%	Sunny	N/A
04-Jun	Tuesday	2044	2029	-0.7%	6.5%	Sunny	N/A
05-Jun	Wednesday	2043	1972	-3.5%	4.4%	Sunny	N/A
06-Jun	Thursday	2011	1888	-6.1%	2.6%	Sunny	N/A
07-Jun	Friday	2085	1741	-16.5%	-0.3%	Rainy	N/A
08-Jun	Saturday	2321	2625	13.1%	1.7%	Rainy	N/A
09-Jun	Sunday	1837	1810	-1.5%	1.3%	Sunny	N/A
10-Jun	Monday	1775	1787	0.7%	1.3%	Sunny	N/A
11-Jun	Tuesday	1770	1801	1.8%	1.3%	Sunny	N/A
12-Jun	Wednesday	1890	1908	1.0%	1.3%	Sunny	N/A
13-Jun	Thursday	1970	2063	4.7%	1.6%	Sunny	N/A
14-Jun	Friday	2120	2289	8.0%	2.0%	Sunny	N/A
15-Jun	Saturday	2564	2539	-1.0%	1.8%	Sunny	N/A
16-Jun	Sunday	1749	1765	0.9%	1.7%	Sunny	N/A
17-Jun	Monday	1749	1692	-3.3%	1.5%	Sunny	N/A
18-Jun	Tuesday	1861	1888	1.5%	1.5%	Sunny	N/A
19-Jun	Wednesday	2078	1939	-6.7%	1.0%	Sunny	N/A
20-Jun	Thursday	1942	2038	4.9%	1.2%	Sunny	N/A
21-Jun	Friday	2198	2275	3.5%	1.3%	Sunny	N/A
22-Jun	Saturday	2712	2476	0.0%	0.0%	Sunny	N/A
23-Jun	Sunday	2020	2003	-0.8%	0.7%	Sunny	N/A
24-Jun	Monday	1677	1845	10.0%	1.0%	Sunny	N/A
25-Jun	Tuesday	1720	1801	4.7%	1.1%	Sunny	N/A
26-Jun	Wednesday	1905	1992	4.6%	1.2%	Sunny	N/A
27-Jun	Thursday	1907	2073	8.7%	1.5%	Sunny	N/A
28-Jun	Friday	2041	2183	7.0%	1.7%	Sunny	N/A
29-Jun	Saturday	2427	2424	-0.1%	1.6%	Sunny	N/A
30-Jun	Sunday	1619	1857	14.7%	2.0%	Sunny	N/A

Month to Date Totals	59764	60950	2.0%
Avg Cumm Car Count:	1992	2032	40

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF JULY

DATE: 05-Aug-2013
Event Parking not deducted - Report A

DATE: 08/05/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Jul	Monday	1981	2072	4.6%	4.6%	Sunny	N/A
02-Jul	Tuesday	2179	2066	-5.2%	-0.5%	Sunny	N/A
03-Jul	Wednesday	1663 *a	2339	40.6%	11.2%	Sunny	N/A
04-Jul	Thursday	2349	1726 *b	-26.5%	0.4%	Sunny	N/A
05-Jul	Friday	2268	2704	19.2%	4.5%	Sunny	N/A
06-Jul	Saturday	2614	2756	5.4%	4.7%	Sunny	N/A
07-Jul	Sunday	1885	2059	9.2%	5.2%	Sunny	N/A
08-Jul	Monday	2024	1993	-1.5%	4.4%	Sunny	N/A
09-Jul	Tuesday	2001	2014	0.6%	4.0%	Sunny	N/A
10-Jul	Wednesday	2259	2047	-9.4%	2.6%	Sunny	N/A
11-Jul	Thursday	2329	2075	-10.9%	1.3%	Sunny	N/A
12-Jul	Friday	2220	2298	3.5%	1.5%	Sunny	N/A
13-Jul	Saturday	2536	2497	-1.5%	1.2%	Sunny	N/A
14-Jul	Sunday	2069	2184	5.6%	1.5%	Sunny	N/A
15-Jul	Monday	2048	2092	2.1%	1.5%	Rainy	N/A
16-Jul	Tuesday	2058	2162	5.1%	1.7%	Rainy	N/A
17-Jul	Wednesday	2156	2416	12.1%	2.3%	Rainy	N/A
18-Jul	Thursday	2326	2726	17.2%	3.2%	Rainy	N/A
19-Jul	Friday	2348	2477	5.5%	3.4%	Sunny	N/A
20-Jul	Saturday	2696	3513	30.3%	5.0%	Sunny	N/A
21-Jul	Sunday	2207	2010	-8.9%	4.3%	Sunny	N/A
22-Jul	Monday	2130	2167	1.7%	4.2%	Sunny	N/A
23-Jul	Tuesday	2308	2226	-3.6%	3.9%	Sunny	N/A
24-Jul	Wednesday	2372	2368	-0.2%	3.7%	Sunny	N/A
25-Jul	Thursday	2269	2360	4.0%	3.7%	Sunny	N/A
26-Jul	Friday	2250	2560	13.8%	4.1%	Sunny	N/A
27-Jul	Saturday	2570	2763	7.5%	4.3%	Sunny	N/A
28-Jul	Sunday	1898	1972	3.9%	4.2%	Sunny	N/A
29-Jul	Monday	1904	2049	7.6%	4.3%	Sunny	N/A
30-Jul	Tuesday	2656	2161	-18.6%	3.4%	Sunny	N/A
31-Jul	Wednesday	2108	2038	-3.3%	3.2%	Sunny	N/A
Month to Date Totals		68681	70890		3.2%		
Avg Cumm Car Count:		2216	2287		71		

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

*a=Independence Day july 2012.
'b=Independence Day july 2013.

BAL HARBOUR SHOPS

PARKING REPORT FOR THE MONTH OF AUGUST

DATE: 04-Sep-2013

Event Parking not deducted - Report A

DATE: 09/04/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Aug	Thursday	2065	2127	3.0%	3.0%	Sunny	N/A
02-Aug	Friday	2347	2334	-0.6%	1.1%	Sunny	N/A
03-Aug	Saturday	2361	2504	6.1%	2.8%	Sunny	N/A
04-Aug	Sunday	1971	1805	-8.4%	0.3%	Sunny	N/A
05-Aug	Monday	1835	1983	8.1%	1.6%	Sunny	N/A
06-Aug	Tuesday	1888	1950	3.3%	1.9%	Sunny	N/A
07-Aug	Wednesday	2150	2049	-4.7%	0.9%	Sunny	N/A
08-Aug	Thursday	1990	2220	11.6%	2.2%	Sunny	N/A
09-Aug	Friday	2255	2271	0.7%	2.0%	Sunny	N/A
10-Aug	Saturday	2241	2273	1.4%	2.0%	Sunny	N/A
11-Aug	Sunday	1625	1704	4.9%	2.2%	Sunny	N/A
12-Aug	Monday	1747	1809	3.5%	2.3%	Sunny	N/A
13-Aug	Tuesday	1915	1830	-4.4%	1.8%	Sunny	N/A
14-Aug	Wednesday	1892	2066	9.2%	2.3%	Sunny	N/A
15-Aug	Thursday	2156	2154	-0.1%	2.1%	Sunny	N/A
16-Aug	Friday	1989	2109	6.0%	2.3%	Sunny	N/A
17-Aug	Saturday	2375	2300	-3.2%	2.0%	Sunny	N/A
18-Aug	Sunday	1792	1866	4.1%	2.1%	Sunny	N/A
19-Aug	Monday	1898	1871	-1.4%	1.9%	Sunny	N/A
20-Aug	Tuesday	1824	1878	3.0%	2.0%	Sunny	N/A
21-Aug	Wednesday	1860	2379	27.9%	3.1%	Sunny	N/A
22-Aug	Thursday	1950	2130	9.2%	3.4%	Sunny	N/A
23-Aug	Friday	2137	2175	1.8%	3.3%	Sunny	N/A
24-Aug	Saturday	2098	2131	1.6%	3.2%	Sunny	N/A
25-Aug	Sunday	750 *a	1863	148.4%	5.4%	Sunny	N/A
26-Aug	Monday	1540	1738	12.9%	5.7%	Sunny	N/A
27-Aug	Tuesday	1705	1807	6.0%	5.7%	Sunny	N/A
28-Aug	Wednesday	1757	1894	7.8%	5.7%	Sunny	N/A
29-Aug	Thursday	1798	1850	2.9%	5.7%	Sunny	N/A
30-Aug	Friday	2164	2048	-5.4%	5.2%	Sunny	N/A
31-Aug	Saturday	2375	2179	-8.3%	4.7%	Sunny	N/A
Month to Date Totals		60450	63297		4.7%		
Avg Cumm Car Count:		1950	2042		92		

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

**a=Strom Isaac 2012.*

BAL HARBOUR SHOPS

PARKING REPORT FOR THE MONTH OF SEPTEMBER

DATE: 02-Oct-2013

Event Parking not deducted - Report A

DATE: 10/02/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Sep	Sunday	1788	1796	0.4%	0.4%	Sunny	N/A
02-Sep	Monday	1728 *a	1848 *a	6.9%	3.6%	Sunny	N/A
03-Sep	Tuesday	1626	1524	-6.3%	0.5%	Sunny	N/A
04-Sep	Wednesday	1491	1487	-0.3%	0.3%	Sunny	N/A
05-Sep	Thursday	2668	1630	-38.9%	-10.9%	Sunny	N/A
06-Sep	Friday	1918	1807	-5.8%	-10.0%	Sunny	N/A
07-Sep	Saturday	1979	2206	11.5%	-6.8%	Sunny	N/A
08-Sep	Sunday	1630	1548	-5.0%	-6.6%	Sunny	N/A
09-Sep	Monday	1537	1481	-3.6%	-6.3%	Sunny	N/A
10-Sep	Tuesday	1673	1589	-5.0%	-6.2%	Sunny	N/A
11-Sep	Wednesday	1712	1917	12.0%	-4.6%	Sunny	N/A
12-Sep	Thursday	1752	1883	7.5%	-3.7%	Sunny	N/A
13-Sep	Friday	2218	1814	-18.2%	-5.0%	Sunny	N/A
14-Sep	Saturday	2165	1752	-19.1%	-6.2%	Sunny	N/A
15-Sep	Sunday	1696	1852	9.2%	-5.2%	Sunny	N/A
16-Sep	Monday	1425	1581	10.9%	-4.5%	Sunny	N/A
17-Sep	Tuesday	1643	2214	34.8%	-2.3%	Sunny	N/A
18-Sep	Wednesday	1788	1689	-5.5%	-2.5%	Sunny	N/A
19-Sep	Thursday	1680	1820	8.3%	-2.0%	Sunny	N/A
20-Sep	Friday	2196	2033	-7.4%	-2.3%	Sunny	N/A
21-Sep	Saturday	2362	2255	-4.5%	-2.5%	Sunny	N/A
22-Sep	Sunday	1801	1690	-6.2%	-2.6%	Sunny	N/A
23-Sep	Monday	1564	1694	8.3%	-2.2%	Sunny	N/A
24-Sep	Tuesday	1509	1755	16.3%	-1.6%	Sunny	N/A
25-Sep	Wednesday	1420	1871	31.8%	-0.5%	Sunny	N/A
26-Sep	Thursday	1793	1896	5.7%	-0.3%	Sunny	N/A
27-Sep	Friday	1975	2107	6.7%	0.0%	Sunny	N/A
28-Sep	Saturday	2309	2275	-1.5%	-0.1%	Sunny	N/A
29-Sep	Sunday	1561	1669	6.9%	0.1%	Sunny	N/A
30-Sep	Monday	1543	1618	4.9%	0.3%	Sunny	N/A

Month to Date Totals	54150	54301	0.3%
Avg Cumm Car Count:	1805	1810	5

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

**a=Labor Day 2012 nd 2013*

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF OCTOBER

DATE: 05-Nov-2013
Event Parking not deducted - Report A

DATE: 11/05/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Oct	Tuesday	1592	1689	6.1%	6.1%	Rainy	N/A
02-Oct	Wednesday	1745	1584	-9.2%	-1.9%	Sunny	N/A
03-Oct	Thursday	1860	2035	9.4%	2.1%	Sunny	N/A
04-Oct	Friday	1915	1979	3.3%	2.5%	Sunny	N/A
05-Oct	Saturday	2403	2051	-14.6%	-1.9%	Sunny	N/A
06-Oct	Sunday	1973	1542	-21.8%	-5.3%	Sunny	N/A
07-Oct	Monday	1655 *a	1542 *a	-6.8%	-5.5%	Sunny	N/A
08-Oct	Tuesday	1707	1648	-3.5%	-5.3%	Sunny	N/A
09-Oct	Wednesday	2116	1772	-16.3%	-6.6%	Sunny	N/A
10-Oct	Thursday	2132	1888	-11.4%	-7.2%	Sunny	N/A
11-Oct	Friday	2062	2016	-2.2%	-6.7%	Sunny	N/A
12-Oct	Saturday	2685	2395	-10.8%	-7.1%	Sunny	N/A
13-Oct	Sunday	1931	1895	-1.9%	-6.8%	Sunny	N/A
14-Oct	Monday	1628	1848	13.5%	-5.5%	Sunny	N/A
15-Oct	Tuesday	1707	1733	1.5%	-5.1%	Sunny	N/A
16-Oct	Wednesday	2210 *b	2390 *b	8.1%	-4.2%	Sunny	N/A
17-Oct	Thursday	2334	2170	-7.0%	-4.4%	Sunny	N/A
18-Oct	Friday	2235	2508	12.2%	-3.4%	Sunny	N/A
19-Oct	Saturday	2512	2336	-7.0%	-3.6%	Sunny	N/A
20-Oct	Sunday	1756	1798	2.4%	-3.3%	Sunny	N/A
21-Oct	Monday	1627	1642	0.9%	-3.2%	Sunny	N/A
22-Oct	Tuesday	1897	1724	-9.1%	-3.4%	Sunny	N/A
23-Oct	Wednesday	1953	1759	-9.9%	-3.7%	Sunny	N/A
24-Oct	Thursday	2021	2023	0.1%	-3.5%	Sunny	N/A
25-Oct	Friday	2412	2084	-13.6%	-4.0%	Sunny	N/A
26-Oct	Saturday	2525	2294	-9.1%	-4.3%	Sunny	N/A
27-Oct	Sunday	1755	2371	35.1%	-3.0%	Sunny	N/A
28-Oct	Monday	1944	1643	-15.5%	-3.4%	Sunny	N/A
29-Oct	Tuesday	2011	1980	-1.5%	-3.4%	Sunny	N/A
30-Oct	Wednesday	1793	1962	9.4%	-3.0%	Sunny	N/A
31-Oct	Thursday	1995	1999	0.2%	-2.9%	Sunny	N/A
Month to Date Totals		62091	60300		-2.9%		
Avg Cumm Car Count:		2003	1945		-58		

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

*a=Columbus Day Oserved.
'b=Race for The Cure of Cancer.

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF NOVEMBER

DATE: 04-Dec-2013
Event Parking not deducted - Report A

DATE: 12/04/2013
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Nov	Friday	2487	2122	-14.7%	-14.7%	Sunny	N/A
02-Nov	Saturday	2786	2403	-13.7%	-14.2%	Sunny	N/A
03-Nov	Sunday	2098	1973	-6.0%	-11.8%	Sunny	N/A
04-Nov	Monday	1909	1834	-3.9%	-10.2%	Sunny	N/A
05-Nov	Tuesday	1918	1996	4.1%	-7.8%	Sunny	N/A
06-Nov	Wednesday	2156	1911	-11.4%	-8.3%	Sunny	N/A
07-Nov	Thursday	2319	1897	-18.2%	-9.8%	Sunny	N/A
08-Nov	Friday	2548	2186	-14.2%	-10.4%	Rainy	N/A
09-Nov	Saturday	1304 *a	2623	101.2%	-3.0%	Sunny	N/A
10-Nov	Sunday	1995	1952	-2.2%	-2.9%	Sunny	N/A
11-Nov	Monday	1916	1874	-2.2%	-2.8%	Sunny	N/A
12-Nov	Tuesday	1895	1770	-6.6%	-3.1%	Sunny	N/A
13-Nov	Wednesday	1967	2042	3.8%	-2.6%	Sunny	N/A
14-Nov	Thursday	2004	2157	7.6%	-1.9%	Sunny	N/A
15-Nov	Friday	2371	2408	1.6%	-1.7%	Sunny	N/A
16-Nov	Saturday	2768	2719	-1.8%	-1.7%	Sunny	N/A
17-Nov	Sunday	2207	1953	-11.5%	-2.3%	Sunny	N/A
18-Nov	Monday	2146	1812	-15.6%	-3.0%	Sunny	N/A
19-Nov	Tuesday	2446	2008	-17.9%	-3.9%	Sunny	N/A
20-Nov	Wednesday	2400	2172	-9.5%	-4.2%	Sunny	N/A
21-Nov	Thursday	0 *b	1989		0.4%	Sunny	N/A
22-Nov	Friday	3855	2440	-36.7%	-2.6%	Rainy	N/A
23-Nov	Saturday	3033	2682	-11.6%	-3.2%	Rainy	N/A
24-Nov	Sunday	2287	1954	-14.6%	-3.7%	Sunny	N/A
25-Nov	Monday	2145	2102	-2.0%	-3.6%	Sunny	N/A
26-Nov	Tuesday	2083	2425	16.4%	-2.9%	Sunny	N/A
27-Nov	Wednesday	2211	2450	10.8%	-2.4%	Sunny	N/A
28-Nov	Thursday	2220	0 *c	-100.0%	-5.9%	Sunny	Closed
29-Nov	Friday	2541	4017	58.1%	-3.3%	Sunny	213
30-Nov	Saturday	2770	3020	9.0%	-2.8%	Sunny	502
Month to Date Totals		66785	64891		-2.8%		
Avg Cumm Car Count:		2226	2163		-63		

DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

*a=Buonconti Fund to cure Paralysis 2012.
'b=Thanskgiving Day. 2012
*c-Thanskgiving Day 2013.

BAL HARBOUR SHOPS
PARKING REPORT FOR THE MONTH OF DECEMBER

DATE: 06-Jan-2014

Event Parking not deducted - Report A

DATE: 01/06/2014
REPORT: Maria Borden

Date	Day	2012	2013	Daily % Difference	Cumm	Weather	Vacant Spaces
01-Dec	Sunday	2131	2513	17.9%	17.9%	Sunny	276
02-Dec	Monday	2116	2322	9.7%	13.8%	Sunny	307
03-Dec	Tuesday	2381	2043	-14.2%	3.8%	Sunny	293
04-Dec	Wednesday	2416	2232	-7.6%	0.7%	Sunny	301
05-Dec	Thursday	2554	2398	-6.1%	-0.8%	Sunny	114
06-Dec	Friday	2662	2892	8.6%	1.0%	Sunny	114
07-Dec	Saturday	3117	2555	-18.0%	-2.4%	Sunny	149
08-Dec	Sunday	2213	2162	-2.3%	-2.4%	Sunny	447
09-Dec	Monday	2221	2010	-9.5%	-3.1%	Sunny	261
10-Dec	Tuesday	2151	2054	-4.5%	-3.3%	Sunny	273
11-Dec	Wednesday	2084	2343	12.4%	-2.0%	Sunny	261
12-Dec	Thursday	2426	2344	-3.4%	-2.1%	Sunny	116
13-Dec	Friday	2438	2331	-4.4%	-2.3%	Sunny	138
14-Dec	Saturday	2934	2725	-7.1%	-2.7%	Sunny	62
15-Dec	Sunday	2306	2077	-9.9%	-3.2%	Sunny	425
16-Dec	Monday	2165	2187	1.0%	-2.9%	Sunny	271
17-Dec	Tuesday	2479	2490	0.4%	-2.7%	Sunny	160
18-Dec	Wednesday	2690	2543	-5.5%	-2.9%	Sunny	148
19-Dec	Thursday	2796	2620	-6.3%	-3.1%	Sunny	134
20-Dec	Friday	3217	2962	-7.9%	-3.4%	Sunny	68
21-Dec	Saturday	3908	3280	-16.1%	-4.3%	Sunny	23
22-Dec	Sunday	3157	2865	-9.2%	-4.6%	Sunny	210
23-Dec	Monday	3067	3524	14.9%	-3.6%	Sunny	53
24-Dec	Tuesday	0 *a	3301		1.9%	Sunny	90
25-Dec	Wednesday	4878	0 *b	-100.0%	-5.8%	Sunny	closed
26-Dec	Thursday	3719	5237	40.8%	-3.2%	Sunny	Full Haulover
27-Dec	Friday	4266	3776	-11.5%	-3.7%	Sunny	305
28-Dec	Saturday	4190	4170	-0.5%	-3.6%	Sunny	224
29-Dec	Sunday	4072	3844	-5.6%	-3.7%	Sunny	216
30-Dec	Monday	3424	3910	14.2%	-2.9%	Sunny	348
31-Dec	Tuesday	2717 *c	3770	38.8%	-1.6%	Sunny	218
Month to Date Totals		86895	85480		-1.6%		
Avg Cumm Car Count:		2803	2757		-46		

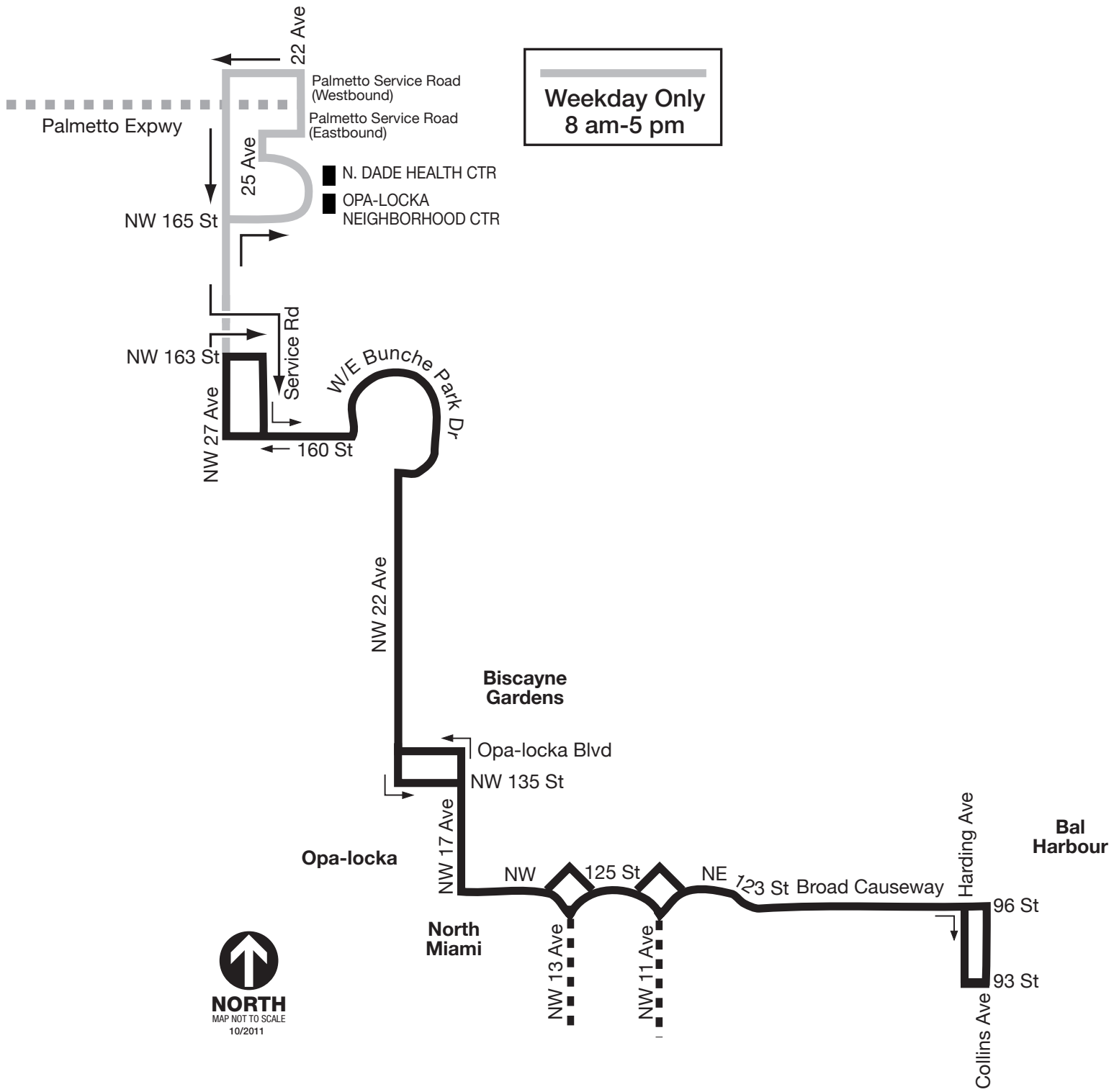
DISTRIBUTION
-Ernesto Barrio
-Richard Lodes
-Cheryl Stephenson
-Randall Whitman
-Stanley Whitman
-Matthew Lazenby

*a=Christmas Day.
*b=Christmas Day.
*c=New Year Day 2013.

4878/2803 –
5237/2757 = 1.89
4170/2757 = 1.51

APPENDIX E
TRANSIT INFORMATION

Route G


22 Ave
Palmetto Service Road (Westbound)
Palmetto Service Road (Eastbound)
Palmetto Expwy
25 Ave
N. DADE HEALTH CTR
OPA-LOCKA NEIGHBORHOOD CTR
NW 165 St
Weekday Only
8 am-5 pm
NW 163 St
Service Rd
W/E Bunche Park Dr
NW 27 Ave
160 St
NW 22 Ave
Biscayne Gardens
Opa-locka Blvd
NW 135 St
NW 17 Ave
Opa-locka
NW
125 St
NE
123 St
Broad Causeway
Harding Ave
Bal Harbour
96 St
93 St
North Miami
NW 13 Ave
NW 11 Ave
Collins Ave
NORTH
MAP NOT TO SCALE
10/2011

Miami-Dade County Miami-Dade Transit

Routes Schedule

107 Route G Schedule

Back to previous page *(javascript: history.go(-1))*

Service: Weekday **Direction:** Eastbound

NW 25 AV & NW 165 ST	NW 27 AV SERVICE RD & NW 160 ST	NW 17 AV & NW 134 ST	NW 125 ST & NW 7 AV	NE 125 ST & NE 6 AV	BISCAYNE BD & NE 123 ST	HARDING AV & 94 ST
-	-	05:23AM	05:28AM	05:34AM	05:39AM	05:49AM
-	05:51AM	06:02AM	06:07AM	06:13AM	06:18AM	06:28AM
-	06:14AM	06:25AM	06:31AM	06:39AM	06:46AM	06:58AM
-	06:42AM	06:55AM	07:01AM	07:09AM	07:16AM	07:28AM
-	07:08AM	07:21AM	07:27AM	07:35AM	07:42AM	07:54AM
-	07:29AM	07:42AM	07:48AM	07:56AM	08:03AM	08:15AM
-	07:49AM	08:02AM	08:08AM	08:16AM	08:23AM	08:35AM
08:07AM	08:14AM	08:27AM	08:33AM	08:41AM	08:48AM	09:00AM
-	08:34AM	08:47AM	08:53AM	09:01AM	09:08AM	09:20AM
08:47AM	08:54AM	09:07AM	09:13AM	09:21AM	09:28AM	09:40AM
09:17AM	09:24AM	09:37AM	09:43AM	09:51AM	09:58AM	10:10AM
09:52AM	09:59AM	10:12AM	10:18AM	10:26AM	10:33AM	10:45AM
10:22AM	10:29AM	10:42AM	10:48AM	10:56AM	11:03AM	11:15AM
10:52AM	10:59AM	11:12AM	11:18AM	11:26AM	11:33AM	11:45AM
11:26AM	11:33AM	11:46AM	11:52AM	12:00PM	12:08PM	12:20PM
11:55AM	12:02PM	12:16PM	12:22PM	12:30PM	12:38PM	12:50PM
12:25PM	12:32PM	12:46PM	12:52PM	01:00PM	01:08PM	01:20PM
12:55PM	01:02PM	01:16PM	01:22PM	01:30PM	01:38PM	01:50PM
01:30PM	01:37PM	01:51PM	01:57PM	02:05PM	02:13PM	02:25PM
02:00PM	02:07PM	02:21PM	02:27PM	02:35PM	02:43PM	02:55PM
02:30PM	02:37PM	02:51PM	02:57PM	03:05PM	03:13PM	03:25PM
03:00PM	03:07PM	03:21PM	03:27PM	03:35PM	03:43PM	03:55PM
03:30PM	03:37PM	03:51PM	03:57PM	04:05PM	04:13PM	04:25PM
03:52PM	03:59PM	04:13PM	04:19PM	04:27PM	04:35PM	04:47PM
04:17PM	04:24PM	04:38PM	04:44PM	04:52PM	05:00PM	05:12PM
04:42PM	04:49PM	05:03PM	05:09PM	05:17PM	05:25PM	05:37PM

05:12PM	05:19PM	05:33PM	05:39PM	05:47PM	05:55PM	06:07PM
-	05:51PM	06:05PM	06:11PM	06:18PM	06:25PM	06:37PM
-	06:22PM	06:35PM	06:41PM	06:48PM	06:55PM	07:07PM
-	07:06PM	07:18PM	07:24PM	07:30PM	07:36PM	07:47PM
-	08:03PM	08:14PM	08:19PM	08:25PM	08:30PM	08:40PM
-	08:58PM	09:09PM	09:14PM	09:20PM	09:25PM	09:35PM
-	09:58PM	10:09PM	10:14PM	10:20PM	10:25PM	10:35PM
-	11:10PM	11:21PM	11:26PM	11:32PM	11:37PM	11:47PM
-	12:39AM	12:50AM	12:55AM	01:01AM	01:06AM	01:16AM

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(http://www.centerdigitalgov.com/survey/88/2012)

MIAMI-DADE COUNTY

BEST OF THE WEB 2012 WINNER

Miami-Dade County Miami-Dade Transit

Routes Schedule

107 Route G Schedule

Back to previous page *(javascript: history.go(-1))*

Service: Weekday **Direction:** Westbound

HARDING AV & 94 ST	BISCAYNE BD & NE 123 ST	NE 125 ST & NW 6 AV	NW 125 ST & NW 7 AV	OPA LOCKA BD & NW 17 AV	NW 27 AV SERVICE RD & NW 160 ST	NW 25 AV & NW 165 ST
05:30AM	05:41AM	05:48AM	05:54AM	06:00AM	06:10AM	-
06:00AM	06:11AM	06:18AM	06:24AM	06:32AM	06:43AM	-
06:33AM	06:45AM	06:53AM	06:59AM	07:07AM	07:18AM	-
07:06AM	07:18AM	07:26AM	07:32AM	07:40AM	07:49AM	07:51AM
07:40AM	07:52AM	08:00AM	08:06AM	08:14AM	08:23AM	08:25AM
08:10AM	08:22AM	08:30AM	08:36AM	08:44AM	08:53AM	08:55AM
08:45AM	08:57AM	09:05AM	09:11AM	09:19AM	09:28AM	09:30AM
09:15AM	09:28AM	09:36AM	09:42AM	09:50AM	09:59AM	10:01AM
09:50AM	10:03AM	10:11AM	10:17AM	10:25AM	10:34AM	10:36AM
10:20AM	10:33AM	10:41AM	10:47AM	10:55AM	11:04AM	11:06AM
10:55AM	11:08AM	11:16AM	11:22AM	11:30AM	11:39AM	11:41AM
11:25AM	11:38AM	11:46AM	11:52AM	12:00PM	12:09PM	12:11PM
11:55AM	12:08PM	12:16PM	12:24PM	12:32PM	12:41PM	12:43PM
12:30PM	12:43PM	12:51PM	12:59PM	01:07PM	01:16PM	01:18PM
01:00PM	01:13PM	01:21PM	01:29PM	01:37PM	01:46PM	01:48PM
01:30PM	01:43PM	01:51PM	01:59PM	02:07PM	02:16PM	02:18PM
02:00PM	02:13PM	02:21PM	02:29PM	02:37PM	02:46PM	02:48PM
02:35PM	02:48PM	02:56PM	03:04PM	03:13PM	03:24PM	03:26PM
03:05PM	03:20PM	03:30PM	03:38PM	03:47PM	03:58PM	04:00PM
03:35PM	03:50PM	04:00PM	04:08PM	04:17PM	04:28PM	04:30PM
04:05PM	04:20PM	04:30PM	04:38PM	04:47PM	04:58PM	05:00PM
04:35PM	04:50PM	05:00PM	05:08PM	05:17PM	05:30PM	-
04:55PM	05:10PM	05:20PM	05:28PM	05:37PM	05:50PM	-
05:20PM	05:35PM	05:45PM	05:53PM	06:02PM	06:15PM	-
05:45PM	06:00PM	06:08PM	06:15PM	06:23PM	06:36PM	-
06:15PM	06:28PM	06:36PM	06:43PM	06:51PM	07:04PM	-

06:45PM	06:58PM	07:06PM	07:12PM	07:19PM	07:31PM	-
07:15PM	07:27PM	07:34PM	07:40PM	07:47PM	07:59PM	-
07:55PM	08:07PM	08:13PM	08:19PM	08:25PM	08:36PM	-
08:55PM	09:06PM	09:12PM	09:18PM	09:24PM	09:35PM	-
09:55PM	10:06PM	10:12PM	10:18PM	10:24PM	10:35PM	-
10:55PM	11:06PM	11:12PM	11:18PM	11:24PM	11:34PM	-
11:55PM	12:06AM	12:12AM	12:18AM	12:24AM	12:34AM	-
01:21AM	01:32AM	01:38AM	01:44AM	01:50AM	02:00AM	-

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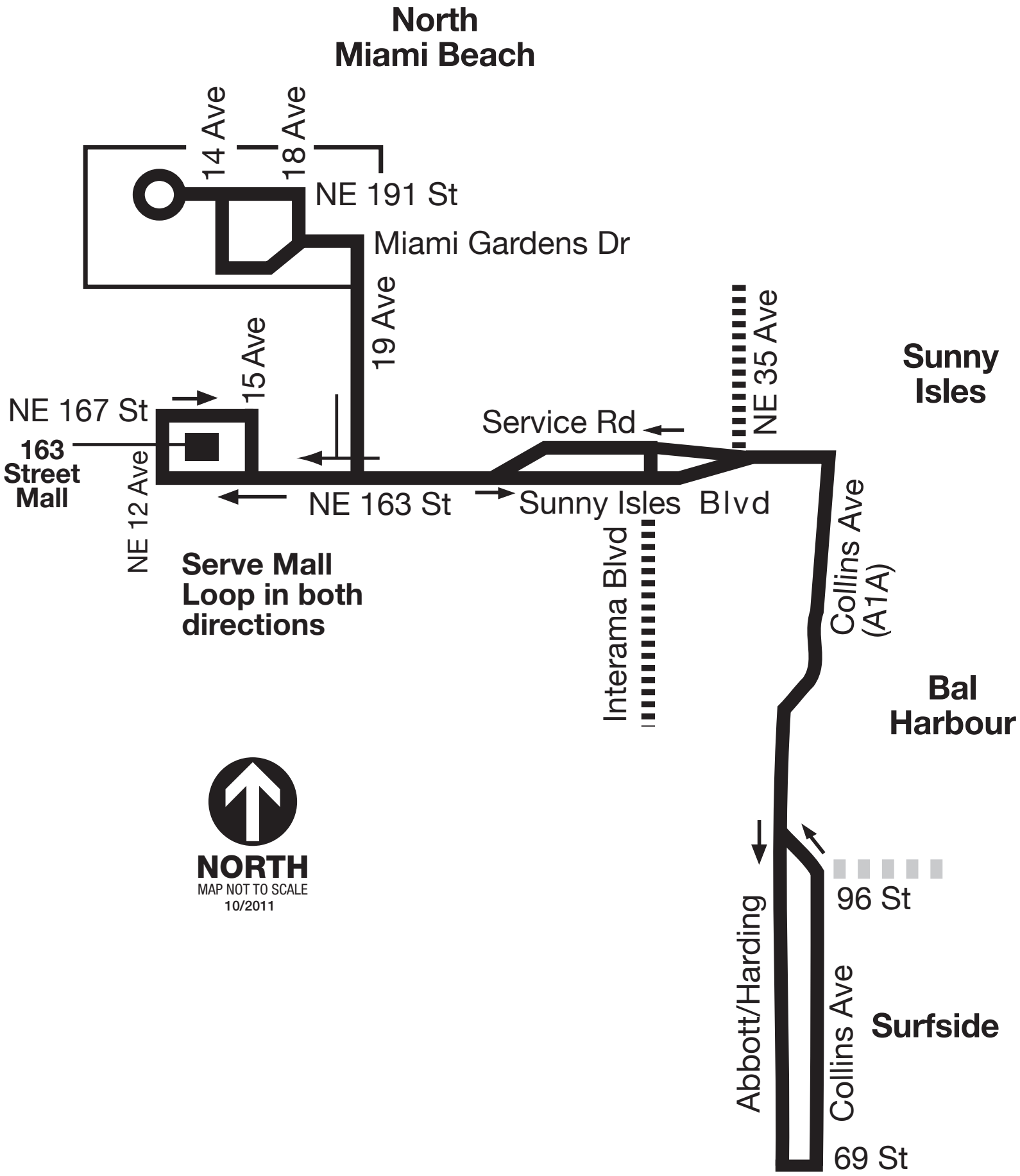
(http://www.centerdigitalgov.com/survey/88/2012)

Route H


North
Miami Beach
14 Ave
18 Ave
NE 191 St
Miami Gardens Dr
19 Ave
15 Ave
NE 167 St
163
Street
Mall
NE 12 Ave
NE 163 St
Service Rd
NE 35 Ave
Sunny
Isles
Sunny Isles Blvd
Serve Mall
Loop in both
directions
Interama Blvd
Collins Ave
(A1A)
Bal
Harbour
NORTH
MAP NOT TO SCALE
10/2011
96 St
Abbott/Harding
Collins Ave
Surfside
69 St

Miami-Dade County Miami-Dade Transit

Routes Schedule

108 Route H Schedule

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Service: Weekday **Direction:** Northbound

HARDING AV & 72 ST	COLLINS AV & 96 ST	COLLINS AV & ATLANTIC AV	NE 167 ST & NE 15 AV	NE 191 ST & # 1101 (CIRCLE)	NE 185 ST & NE 18 AV
05:51AM	05:59AM	06:07AM	06:25AM	06:37AM	06:43AM
06:31AM	06:41AM	06:49AM	07:10AM	07:23AM	07:29AM
06:56AM	07:06AM	07:14AM	07:35AM	07:48AM	07:54AM
07:21AM	07:31AM	07:39AM	08:00AM	08:13AM	08:19AM
07:46AM	07:56AM	08:04AM	08:25AM	08:38AM	08:44AM
08:11AM	08:22AM	08:30AM	08:51AM	09:06AM	09:12AM
08:36AM	08:47AM	08:55AM	09:17AM	09:32AM	09:38AM
09:01AM	09:12AM	09:20AM	09:42AM	09:57AM	10:03AM
09:26AM	09:37AM	09:45AM	10:07AM	10:22AM	10:28AM
09:51AM	10:02AM	10:10AM	10:32AM	10:47AM	10:53AM
10:16AM	10:27AM	10:35AM	10:57AM	11:12AM	11:18AM
10:41AM	10:52AM	11:00AM	11:22AM	11:37AM	11:43AM
11:06AM	11:17AM	11:25AM	11:47AM	12:02PM	12:08PM
11:31AM	11:42AM	11:50AM	12:13PM	12:28PM	12:34PM
11:56AM	12:07PM	12:15PM	12:38PM	12:53PM	12:59PM
12:21PM	12:32PM	12:40PM	01:03PM	01:18PM	01:24PM
12:46PM	12:57PM	01:05PM	01:28PM	01:43PM	01:49PM
01:11PM	01:22PM	01:30PM	01:53PM	02:08PM	02:14PM
01:36PM	01:47PM	01:55PM	02:18PM	02:33PM	02:39PM
02:01PM	02:12PM	02:20PM	02:43PM	02:58PM	03:04PM
02:26PM	02:37PM	02:45PM	03:08PM	03:23PM	03:29PM
02:51PM	03:02PM	03:10PM	03:33PM	03:48PM	03:54PM
03:16PM	03:27PM	03:35PM	03:58PM	04:14PM	04:20PM
03:41PM	03:52PM	04:01PM	04:24PM	04:40PM	04:46PM
04:06PM	04:17PM	04:26PM	04:49PM	05:05PM	05:11PM
04:31PM	04:42PM	04:51PM	05:14PM	05:30PM	05:36PM

04:56PM	05:07PM	05:16PM	05:39PM	05:55PM	06:01PM
05:21PM	05:32PM	05:41PM	06:04PM	06:20PM	06:26PM
05:46PM	05:57PM	06:06PM	06:29PM	06:45PM	06:51PM
06:11PM	06:22PM	06:31PM	06:54PM	07:10PM	07:16PM
06:36PM	06:47PM	06:56PM	07:19PM	07:32PM	07:38PM
07:01PM	07:11PM	07:19PM	07:38PM	07:51PM	07:57PM
07:36PM	07:46PM	07:54PM	08:13PM	08:25PM	08:31PM
08:10PM	08:20PM	08:27PM	08:43PM	08:55PM	09:01PM
08:55PM	09:05PM	09:12PM	09:28PM	09:40PM	09:46PM
09:55PM	10:05PM	10:12PM	10:28PM	10:40PM	10:46PM
11:00PM	11:10PM	11:17PM	11:33PM	11:45PM	11:51PM
12:00AM	12:08AM	12:14AM	12:28AM	12:38AM	12:43AM

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(http://www.centerdigitalgov.com/survey/88/2012)

Miami-Dade County Miami-Dade Transit

Routes Schedule

108 Route H Schedule

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Service: Weekday **Direction:** Southbound

NE 185 ST & NE 18 AV	NE 191 ST & # 1101 (CIRCLE)	NE 167 ST & NE 15 AV	COLLINS AV & 163 ST	COLLINS AV & # 9700 (BAL HARBOUR)	HARDING AV & 72 ST
04:56AM	05:01AM	05:13AM	05:28AM	05:36AM	05:43AM
05:36AM	05:41AM	05:53AM	06:08AM	06:16AM	06:23AM
05:58AM	06:03AM	06:15AM	06:33AM	06:41AM	06:48AM
06:15AM	06:20AM	06:38AM	06:56AM	07:04AM	07:13AM
06:36AM	06:42AM	07:00AM	07:21AM	07:29AM	07:38AM
07:00AM	07:06AM	07:24AM	07:45AM	07:53AM	08:03AM
07:23AM	07:29AM	07:47AM	08:10AM	08:18AM	08:28AM
07:47AM	07:53AM	08:12AM	08:35AM	08:43AM	08:53AM
08:12AM	08:18AM	08:37AM	09:00AM	09:08AM	09:18AM
08:37AM	08:43AM	09:02AM	09:25AM	09:33AM	09:43AM
09:02AM	09:08AM	09:27AM	09:50AM	09:58AM	10:08AM
09:27AM	09:33AM	09:52AM	10:15AM	10:23AM	10:33AM
09:52AM	09:58AM	10:17AM	10:40AM	10:48AM	10:58AM
10:17AM	10:23AM	10:42AM	11:05AM	11:13AM	11:23AM
10:42AM	10:48AM	11:07AM	11:30AM	11:38AM	11:48AM
11:07AM	11:13AM	11:32AM	11:55AM	12:03PM	12:13PM
11:32AM	11:38AM	11:57AM	12:20PM	12:28PM	12:38PM
11:57AM	12:03PM	12:22PM	12:45PM	12:53PM	01:03PM
12:22PM	12:28PM	12:47PM	01:10PM	01:18PM	01:28PM
12:47PM	12:53PM	01:12PM	01:35PM	01:43PM	01:53PM
01:12PM	01:18PM	01:37PM	02:00PM	02:08PM	02:18PM
01:37PM	01:43PM	02:02PM	02:25PM	02:33PM	02:43PM
02:02PM	02:08PM	02:27PM	02:50PM	02:58PM	03:08PM
02:27PM	02:33PM	02:52PM	03:15PM	03:23PM	03:33PM
02:52PM	02:58PM	03:17PM	03:40PM	03:48PM	03:58PM
03:18PM	03:24PM	03:43PM	04:06PM	04:15PM	04:23PM

03:43PM	03:49PM	04:08PM	04:31PM	04:40PM	04:48PM
04:08PM	04:14PM	04:33PM	04:56PM	05:05PM	05:13PM
04:33PM	04:39PM	04:58PM	05:21PM	05:30PM	05:38PM
04:58PM	05:04PM	05:23PM	05:46PM	05:55PM	06:03PM
05:23PM	05:29PM	05:48PM	06:11PM	06:20PM	06:28PM
05:48PM	05:54PM	06:13PM	06:36PM	06:45PM	06:53PM
06:24PM	06:30PM	06:49PM	07:12PM	07:20PM	07:28PM
07:07PM	07:12PM	07:27PM	07:46PM	07:54PM	08:02PM
07:55PM	08:00PM	08:14PM	08:31PM	08:39PM	08:47PM
08:55PM	09:00PM	09:14PM	09:31PM	09:39PM	09:47PM
10:00PM	10:05PM	10:19PM	10:36PM	10:44PM	10:52PM
11:00PM	11:05PM	11:19PM	11:36PM	11:44PM	11:52PM

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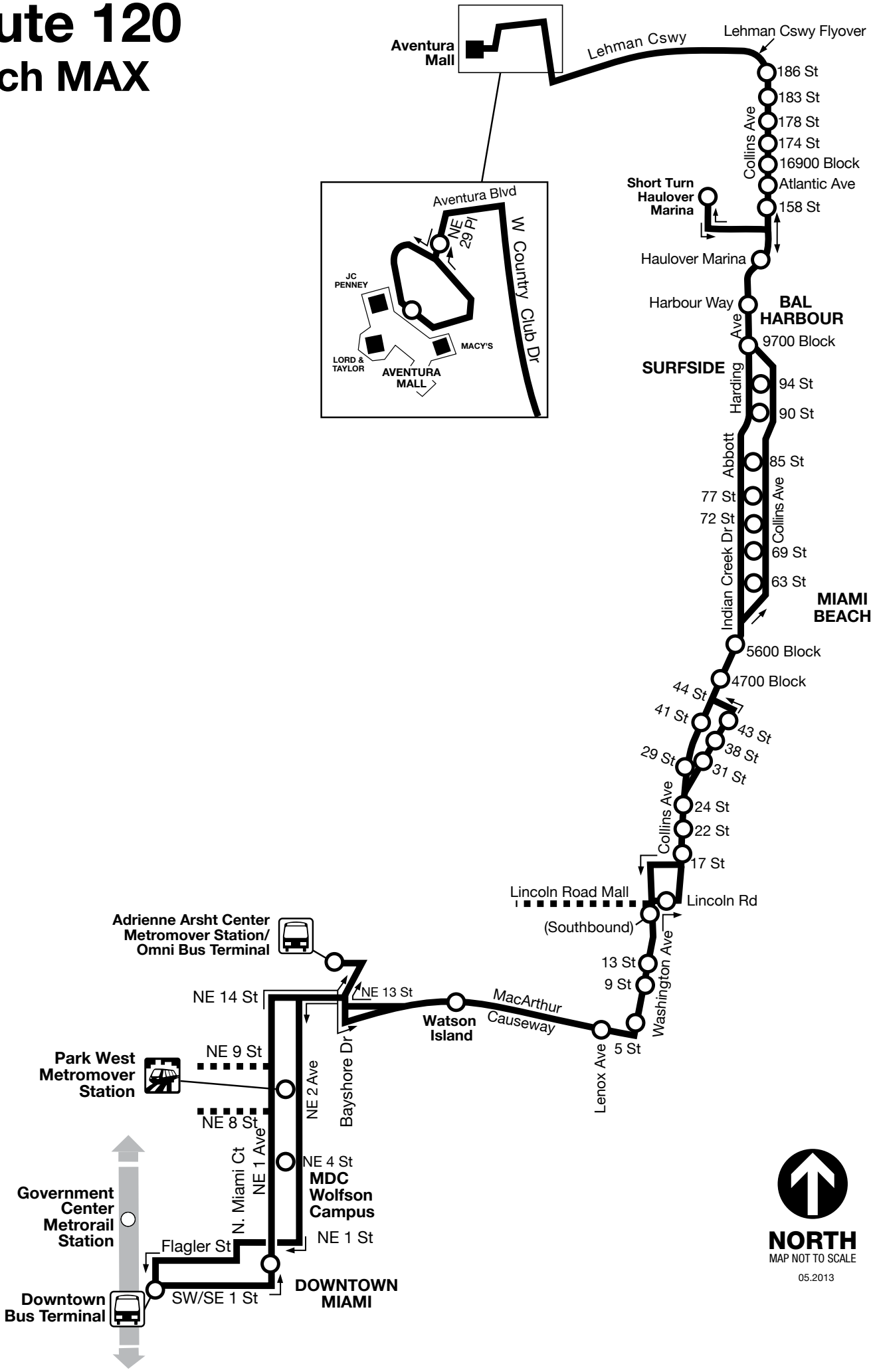
(http://www.centerdigitalgov.com/survey/88/2012)

Route 120
Beach MAX



Miami-Dade County Miami-Dade Transit

Routes Schedule

120 Beach MAX Schedule

Back to previous page *(javascript: history.go(-1))*

Service: Weekday **Direction:** Northbound

CBD TERMINAL & SW 1 AV OP FEDERAL B	OMNI TERMINAL & BISCAYNE BLVD	LINCOLN RD & WASHINGTON AV	41 ST & COLLINS AV	COLLINS AV & 69 ST	COLLINS AV & 96 ST	COLLINS AV & HAULOVER CLUB PARKIN	COLLINS AV & SUNNY ISLES BD	AVENTURA MALL & FOOD COURT ENTRANCE
05:00AM	05:08AM	05:23AM	05:30AM	05:38AM	05:42AM	-	05:48AM	06:02AM
05:50AM	05:58AM	06:14AM	06:23AM	06:33AM	06:39AM	-	06:46AM	07:01AM
06:20AM	06:30AM	06:46AM	06:55AM	07:05AM	07:11AM	07:16AM	-	-
06:44AM	06:54AM	07:11AM	07:22AM	07:32AM	07:38AM	-	07:45AM	08:01AM
07:00AM	07:11AM	07:28AM	07:39AM	07:49AM	07:55AM	08:00AM	-	-
07:12AM	07:23AM	07:40AM	07:51AM	08:01AM	08:08AM	-	08:15AM	08:31AM
07:24AM	07:35AM	07:52AM	08:03AM	08:13AM	08:20AM	08:25AM	-	-
07:36AM	07:47AM	08:04AM	08:15AM	08:25AM	08:32AM	-	08:39AM	08:55AM
07:48AM	07:59AM	08:16AM	08:27AM	08:37AM	08:44AM	08:49AM	-	-
08:00AM	08:11AM	08:28AM	08:39AM	08:49AM	08:56AM	-	09:03AM	09:19AM
08:12AM	08:23AM	08:40AM	08:51AM	09:01AM	09:08AM	-	09:15AM	09:31AM
08:24AM	08:35AM	08:52AM	09:03AM	09:13AM	09:20AM	09:25AM	-	-
08:36AM	08:47AM	09:06AM	09:17AM	09:27AM	09:34AM	-	09:41AM	09:57AM
08:48AM	08:59AM	09:18AM	09:29AM	09:39AM	09:46AM	09:51AM	-	-
09:00AM	09:11AM	09:30AM	09:41AM	09:51AM	09:58AM	-	10:05AM	10:21AM
09:12AM	09:23AM	09:42AM	09:53AM	10:03AM	10:10AM	10:15AM	-	-
09:24AM	09:35AM	09:54AM	10:05AM	10:15AM	10:22AM	-	10:29AM	10:45AM
09:36AM	09:47AM	10:06AM	10:17AM	10:27AM	10:34AM	10:39AM	-	-
09:48AM	09:59AM	10:18AM	10:29AM	10:39AM	10:46AM	-	10:53AM	11:09AM
10:00AM	10:11AM	10:30AM	10:41AM	10:51AM	10:58AM	11:03AM	-	-
10:12AM	10:23AM	10:42AM	10:53AM	11:03AM	11:10AM	-	11:17AM	11:33AM
10:24AM	10:35AM	10:54AM	11:05AM	11:15AM	11:22AM	11:27AM	-	-
10:36AM	10:47AM	11:06AM	11:17AM	11:27AM	11:34AM	-	11:41AM	11:57AM
10:48AM	10:59AM	11:18AM	11:29AM	11:39AM	11:46AM	11:51AM	-	-

11:00AM	11:11AM	11:30AM	11:41AM	11:51AM	11:58AM	-	12:05PM	12:21PM
11:12AM	11:23AM	11:42AM	11:53AM	12:03PM	12:10PM	12:15PM	-	-
11:24AM	11:35AM	11:54AM	12:05PM	12:15PM	12:22PM	-	12:29PM	12:45PM
11:36AM	11:47AM	12:06PM	12:17PM	12:27PM	12:34PM	12:39PM	-	-
11:48AM	11:59AM	12:18PM	12:29PM	12:39PM	12:46PM	-	12:53PM	01:09PM
12:00PM	12:11PM	12:30PM	12:41PM	12:51PM	12:58PM	01:03PM	-	-
12:12PM	12:23PM	12:42PM	12:53PM	01:03PM	01:10PM	-	01:17PM	01:33PM
12:24PM	12:35PM	12:54PM	01:05PM	01:15PM	01:22PM	01:27PM	-	-
12:36PM	12:47PM	01:06PM	01:17PM	01:27PM	01:34PM	-	01:41PM	01:57PM
12:48PM	12:59PM	01:18PM	01:29PM	01:39PM	01:46PM	01:51PM	-	-
01:00PM	01:11PM	01:30PM	01:41PM	01:51PM	01:58PM	-	02:05PM	02:21PM
01:12PM	01:23PM	01:42PM	01:53PM	02:03PM	02:10PM	02:15PM	-	-
01:24PM	01:35PM	01:54PM	02:05PM	02:15PM	02:22PM	-	02:29PM	02:45PM
01:36PM	01:47PM	02:06PM	02:17PM	02:27PM	02:34PM	02:39PM	-	-
01:48PM	01:59PM	02:18PM	02:29PM	02:39PM	02:46PM	-	02:53PM	03:09PM
02:00PM	02:11PM	02:30PM	02:41PM	02:51PM	02:58PM	03:04PM	-	-
02:12PM	02:23PM	02:42PM	02:53PM	03:03PM	03:10PM	-	03:18PM	03:34PM
02:24PM	02:35PM	02:54PM	03:05PM	03:15PM	03:22PM	03:28PM	-	-
02:36PM	02:47PM	03:07PM	03:18PM	03:28PM	03:35PM	-	03:43PM	03:59PM
02:48PM	02:59PM	03:19PM	03:30PM	03:40PM	03:47PM	03:53PM	-	-
03:00PM	03:11PM	03:31PM	03:42PM	03:52PM	03:59PM	-	04:07PM	04:23PM
03:12PM	03:23PM	03:43PM	03:54PM	04:04PM	04:11PM	04:17PM	-	-
03:24PM	03:35PM	03:55PM	04:06PM	04:16PM	04:23PM	-	04:31PM	04:47PM
03:36PM	03:47PM	04:07PM	04:18PM	04:28PM	04:35PM	04:41PM	-	-
03:48PM	03:59PM	04:19PM	04:30PM	04:40PM	04:47PM	-	04:55PM	05:11PM
04:00PM	04:11PM	04:31PM	04:42PM	04:52PM	04:59PM	05:05PM	-	-
04:12PM	04:23PM	04:43PM	04:54PM	05:04PM	05:11PM	-	05:19PM	05:35PM
04:24PM	04:35PM	04:55PM	05:06PM	05:16PM	05:23PM	05:29PM	-	-
04:36PM	04:47PM	05:07PM	05:18PM	05:28PM	05:35PM	-	05:43PM	05:59PM
04:48PM	04:59PM	05:19PM	05:30PM	05:40PM	05:47PM	05:53PM	-	-
05:00PM	05:11PM	05:31PM	05:42PM	05:52PM	05:59PM	-	06:07PM	06:23PM
05:12PM	05:23PM	05:43PM	05:54PM	06:04PM	06:11PM	06:17PM	-	-
05:24PM	05:35PM	05:55PM	06:06PM	06:16PM	06:23PM	-	06:31PM	06:47PM
05:36PM	05:47PM	06:07PM	06:18PM	06:28PM	06:35PM	06:41PM	-	-

05:48PM	05:59PM	06:19PM	06:30PM	06:40PM	06:47PM	-	06:55PM	07:11PM
06:00PM	06:11PM	06:31PM	06:42PM	06:52PM	06:59PM	07:05PM	-	-
06:12PM	06:23PM	06:43PM	06:54PM	07:04PM	07:10PM	-	07:17PM	07:31PM
06:24PM	06:35PM	06:55PM	07:06PM	07:15PM	07:21PM	-	07:28PM	07:42PM
06:36PM	06:47PM	07:07PM	07:18PM	07:27PM	07:33PM	07:38PM	-	-
06:58PM	07:09PM	07:26PM	07:37PM	07:46PM	07:52PM	-	07:59PM	08:13PM
07:33PM	07:43PM	08:00PM	08:11PM	08:20PM	08:26PM	-	08:33PM	08:47PM
08:03PM	08:13PM	08:30PM	08:41PM	08:50PM	08:56PM	-	09:03PM	09:17PM
08:33PM	08:43PM	09:00PM	09:11PM	09:20PM	09:26PM	-	09:33PM	09:47PM
09:03PM	09:13PM	09:30PM	09:41PM	09:50PM	09:56PM	-	10:03PM	10:16PM
09:33PM	09:43PM	10:00PM	10:09PM	10:17PM	10:23PM	10:27PM	-	-

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Miami-Dade County Miami-Dade Transit

Routes Schedule

120 Beach MAX Schedule

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Service: Weekday **Direction:** Southbound

AVENTURA MALL & FOOD COURT ENTRANCE	COLLINS AV & 163 ST	COLLINS AV & HAULOVER CLUB PARKIN	COLLINS AV & # 9700 (BAL HARBOUR)	ABBOTT AV & 69 ST	INDIAN CREEK DR & 41 ST	WASHINGTON AV & LINCOLN RD	OMNI TERMINAL & BISCAYNE BLVD	CBD TERMINAL & SW 1 AV OP FEDERAL B
05:59AM	06:12AM	-	06:19AM	06:27AM	06:36AM	06:43AM	06:59AM	07:10AM
-	-	06:01AM	06:08AM	06:16AM	06:25AM	06:32AM	06:48AM	06:58AM
06:20AM	06:33AM	-	06:40AM	06:48AM	06:57AM	07:06AM	07:23AM	07:34AM
-	-	06:23AM	06:30AM	06:38AM	06:47AM	06:54AM	07:11AM	07:22AM
06:41AM	06:54AM	-	07:02AM	07:11AM	07:21AM	07:30AM	07:47AM	07:58AM
-	-	06:44AM	06:51AM	06:59AM	07:09AM	07:18AM	07:35AM	07:46AM
07:00AM	07:16AM	-	07:24AM	07:33AM	07:43AM	07:52AM	08:11AM	08:22AM
-	-	07:06AM	07:14AM	07:23AM	07:33AM	07:42AM	07:59AM	08:10AM
07:23AM	07:39AM	-	07:47AM	07:56AM	08:06AM	08:16AM	08:35AM	08:46AM
-	-	07:27AM	07:35AM	07:44AM	07:54AM	08:04AM	08:23AM	08:34AM
07:35AM	07:51AM	-	07:59AM	08:08AM	08:18AM	08:28AM	08:47AM	08:58AM
07:44AM	08:01AM	-	08:10AM	08:19AM	08:29AM	08:39AM	08:58AM	09:10AM
08:07AM	08:24AM	-	08:33AM	08:42AM	08:52AM	09:02AM	09:22AM	09:34AM
-	-	08:12AM	08:21AM	08:30AM	08:40AM	08:50AM	09:10AM	09:22AM
08:31AM	08:48AM	-	08:57AM	09:06AM	09:16AM	09:26AM	09:46AM	09:58AM
-	-	08:36AM	08:45AM	08:54AM	09:04AM	09:14AM	09:34AM	09:46AM
08:55AM	09:12AM	-	09:21AM	09:30AM	09:40AM	09:50AM	10:10AM	10:22AM
-	-	09:00AM	09:09AM	09:18AM	09:28AM	09:38AM	09:58AM	10:10AM
09:19AM	09:36AM	-	09:45AM	09:54AM	10:04AM	10:14AM	10:34AM	10:46AM
-	-	09:24AM	09:33AM	09:42AM	09:52AM	10:02AM	10:22AM	10:34AM
09:43AM	10:00AM	-	10:09AM	10:18AM	10:28AM	10:38AM	10:58AM	11:10AM
-	-	09:48AM	09:57AM	10:06AM	10:16AM	10:26AM	10:46AM	10:58AM
10:07AM	10:24AM	-	10:33AM	10:42AM	10:52AM	11:02AM	11:22AM	11:34AM
-	-	10:12AM	10:21AM	10:30AM	10:40AM	10:50AM	11:10AM	11:22AM

10:31AM	10:48AM	-	10:57AM	11:06AM	11:16AM	11:26AM	11:46AM	11:58AM
-	-	10:36AM	10:45AM	10:54AM	11:04AM	11:14AM	11:34AM	11:46AM
10:55AM	11:12AM	-	11:21AM	11:30AM	11:40AM	11:50AM	12:10PM	12:22PM
-	-	11:00AM	11:09AM	11:18AM	11:28AM	11:38AM	11:58AM	12:10PM
11:19AM	11:36AM	-	11:45AM	11:54AM	12:04PM	12:14PM	12:34PM	12:46PM
-	-	11:24AM	11:33AM	11:42AM	11:52AM	12:02PM	12:22PM	12:34PM
11:43AM	12:00PM	-	12:09PM	12:18PM	12:28PM	12:38PM	12:58PM	01:10PM
-	-	11:48AM	11:57AM	12:06PM	12:16PM	12:26PM	12:46PM	12:58PM
12:07PM	12:24PM	-	12:33PM	12:42PM	12:52PM	01:02PM	01:22PM	01:34PM
-	-	12:12PM	12:21PM	12:30PM	12:40PM	12:50PM	01:10PM	01:22PM
12:31PM	12:48PM	-	12:57PM	01:06PM	01:16PM	01:26PM	01:46PM	01:58PM
-	-	12:36PM	12:45PM	12:54PM	01:04PM	01:14PM	01:34PM	01:46PM
12:55PM	01:12PM	-	01:21PM	01:30PM	01:40PM	01:50PM	02:10PM	02:22PM
-	-	01:00PM	01:09PM	01:18PM	01:28PM	01:38PM	01:58PM	02:10PM
01:19PM	01:36PM	-	01:45PM	01:54PM	02:04PM	02:14PM	02:34PM	02:46PM
-	-	01:24PM	01:33PM	01:42PM	01:52PM	02:02PM	02:22PM	02:34PM
01:43PM	02:00PM	-	02:09PM	02:18PM	02:28PM	02:38PM	02:58PM	03:10PM
-	-	01:48PM	01:57PM	02:06PM	02:16PM	02:26PM	02:46PM	02:58PM
02:07PM	02:24PM	-	02:33PM	02:42PM	02:52PM	03:02PM	03:22PM	03:34PM
-	-	02:12PM	02:21PM	02:30PM	02:40PM	02:50PM	03:10PM	03:22PM
02:31PM	02:48PM	-	02:57PM	03:06PM	03:16PM	03:26PM	03:46PM	03:58PM
-	-	02:36PM	02:45PM	02:54PM	03:04PM	03:14PM	03:34PM	03:46PM
02:54PM	03:11PM	-	03:20PM	03:29PM	03:39PM	03:49PM	04:09PM	04:22PM
-	-	02:59PM	03:08PM	03:17PM	03:27PM	03:37PM	03:57PM	04:10PM
03:18PM	03:35PM	-	03:44PM	03:53PM	04:03PM	04:13PM	04:33PM	04:46PM
-	-	03:23PM	03:32PM	03:41PM	03:51PM	04:01PM	04:21PM	04:34PM
03:42PM	03:59PM	-	04:08PM	04:17PM	04:27PM	04:37PM	04:57PM	05:10PM
-	-	03:47PM	03:56PM	04:05PM	04:15PM	04:25PM	04:45PM	04:58PM
04:04PM	04:23PM	-	04:32PM	04:41PM	04:51PM	05:01PM	05:21PM	05:34PM
-	-	04:11PM	04:20PM	04:29PM	04:39PM	04:49PM	05:09PM	05:22PM
04:28PM	04:47PM	-	04:56PM	05:05PM	05:15PM	05:25PM	05:45PM	05:58PM
-	-	04:35PM	04:44PM	04:53PM	05:03PM	05:13PM	05:33PM	05:46PM
04:54PM	05:13PM	-	05:22PM	05:31PM	05:41PM	05:51PM	06:11PM	06:22PM
-	-	04:59PM	05:08PM	05:17PM	05:27PM	05:37PM	05:57PM	06:10PM

-	-	05:25PM	05:34PM	05:43PM	05:53PM	06:03PM	06:23PM	06:34PM
05:29PM	05:48PM	-	05:57PM	06:06PM	06:16PM	06:25PM	06:45PM	06:56PM
-	-	06:09PM	06:17PM	06:25PM	06:35PM	06:44PM	07:04PM	07:15PM
06:09PM	06:25PM	-	06:33PM	06:41PM	06:51PM	07:00PM	07:20PM	07:31PM
06:39PM	06:55PM	-	07:03PM	07:11PM	07:21PM	07:30PM	07:50PM	08:01PM
07:09PM	07:25PM	-	07:33PM	07:41PM	07:51PM	08:00PM	08:20PM	08:31PM
07:39PM	07:55PM	-	08:03PM	08:11PM	08:21PM	08:30PM	08:50PM	09:01PM
08:09PM	08:25PM	-	08:33PM	08:41PM	08:51PM	09:00PM	09:20PM	09:31PM
08:39PM	08:55PM	-	09:03PM	09:11PM	09:21PM	09:30PM	09:50PM	10:01PM
09:15PM	09:31PM	-	09:39PM	09:47PM	09:57PM	10:06PM	10:23PM	10:33PM
09:40PM	09:56PM	-	10:04PM	10:12PM	10:21PM	10:28PM	10:45PM	10:55PM
10:05PM	10:19PM	-	10:26PM	10:34PM	10:43PM	10:50PM	11:07PM	11:17PM
10:30PM	10:44PM	-	10:51PM	10:59PM	11:08PM	11:15PM	11:32PM	11:42PM

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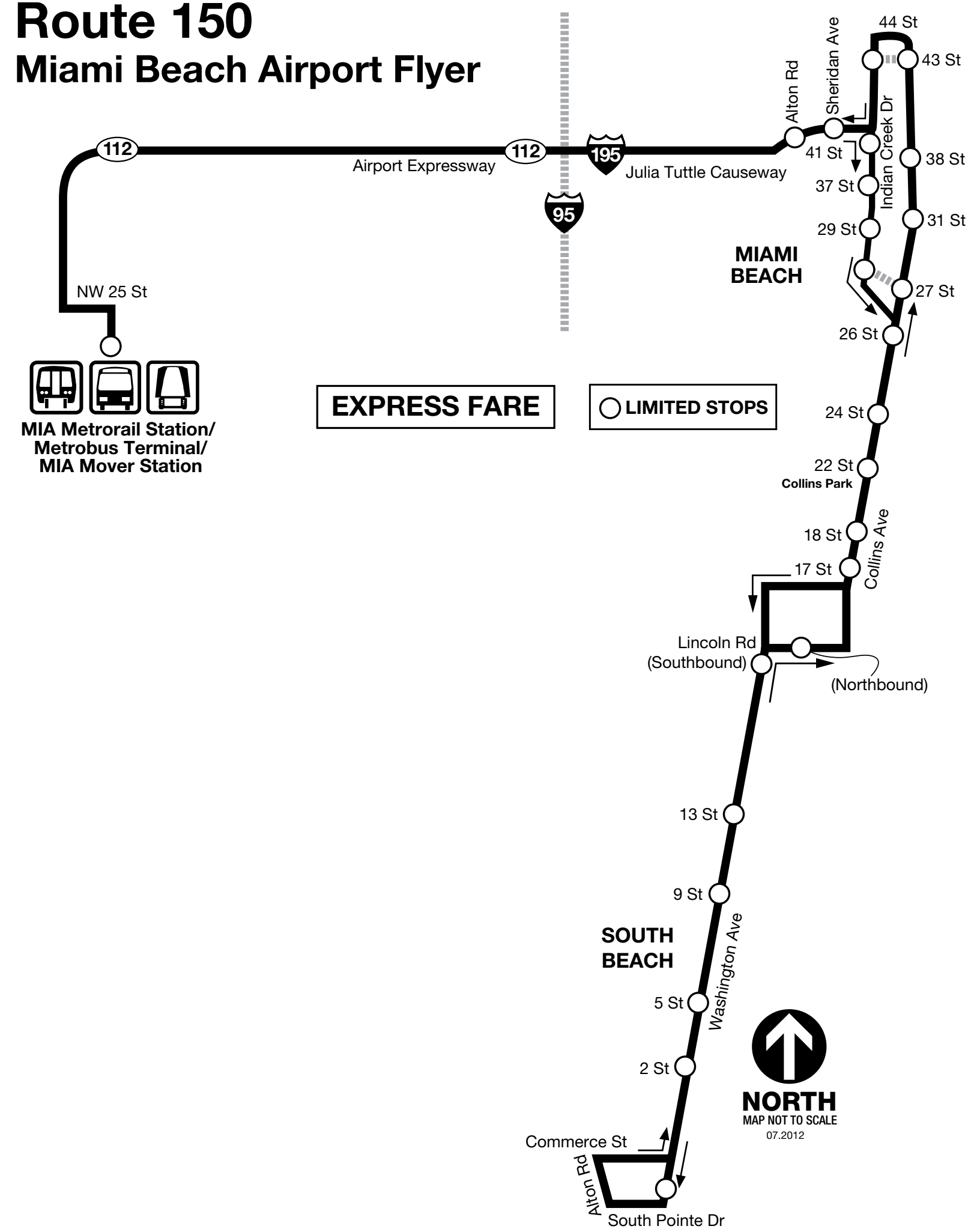
Route 150
Miami Beach Airport Flyer



150 Miami Beach Airport Flyer Schedule

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Service: Weekday **Direction:** Eastbound

MIAMI INTERNATIONAL AIRPORT STATION & CONCOURSE 'E'	41 ST & ALTON RD	INDIAN CREEK DR & 41 ST	WASHINGTON AV & LINCOLN RD	SOUTH POINTE DR & WASHINGTON AV
06:00AM	06:15AM	06:21AM	06:31AM	06:41AM
06:30AM	06:45AM	06:51AM	07:01AM	07:11AM
07:00AM	07:15AM	07:21AM	07:31AM	07:41AM
07:30AM	07:45AM	07:51AM	08:01AM	08:11AM
08:00AM	08:15AM	08:21AM	08:31AM	08:41AM
08:30AM	08:45AM	08:51AM	09:02AM	09:13AM
09:00AM	09:14AM	09:20AM	09:31AM	09:42AM
09:30AM	09:44AM	09:50AM	10:01AM	10:12AM
10:00AM	10:14AM	10:20AM	10:31AM	10:42AM
10:30AM	10:44AM	10:50AM	11:01AM	11:12AM
11:00AM	11:14AM	11:20AM	11:31AM	11:42AM
11:30AM	11:44AM	11:50AM	12:01PM	12:12PM
12:00PM	12:14PM	12:20PM	12:31PM	12:42PM
12:30PM	12:44PM	12:50PM	01:01PM	01:12PM
01:00PM	01:14PM	01:20PM	01:31PM	01:42PM
01:30PM	01:44PM	01:50PM	02:01PM	02:12PM
02:00PM	02:14PM	02:20PM	02:31PM	02:42PM
02:30PM	02:44PM	02:50PM	03:01PM	03:14PM
03:00PM	03:16PM	03:23PM	03:34PM	03:47PM
03:30PM	03:46PM	03:53PM	04:04PM	04:17PM
04:00PM	04:16PM	04:23PM	04:34PM	04:47PM
04:30PM	04:46PM	04:53PM	05:04PM	05:17PM
05:00PM	05:16PM	05:23PM	05:34PM	05:47PM
05:30PM	05:46PM	05:53PM	06:04PM	06:17PM
06:00PM	06:16PM	06:23PM	06:34PM	06:47PM
06:30PM	06:46PM	06:53PM	07:04PM	07:15PM
07:00PM	07:14PM	07:20PM	07:29PM	07:40PM
07:30PM	07:44PM	07:50PM	07:59PM	08:10PM
08:00PM	08:14PM	08:20PM	08:29PM	08:40PM
08:30PM	08:44PM	08:50PM	08:59PM	09:10PM
09:00PM	09:14PM	09:20PM	09:29PM	09:40PM
09:30PM	09:44PM	09:50PM	09:59PM	10:10PM
10:10PM	10:23PM	10:28PM	10:37PM	10:47PM
11:10PM	11:23PM	11:28PM	11:37PM	11:47PM
11:40PM	11:53PM	11:58PM	12:07AM	12:17AM

150 Miami Beach Airport Flyer Schedule

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Service: Weekday **Direction:** Westbound

SOUTH POINTE DR & WASHINGTON AV	LINCOLN RD & WASHINGTON AV	INDIAN CREEK DR & 43 ST	41 ST & ALTON RD	MIAMI INTERNATIONAL AIRPORT STATION & CONCOURSE 'E'
05:10AM	05:20AM	05:29AM	05:33AM	05:45AM
05:50AM	06:01AM	06:11AM	06:16AM	06:30AM
06:20AM	06:31AM	06:41AM	06:46AM	07:00AM
06:50AM	07:01AM	07:11AM	07:16AM	07:30AM
07:20AM	07:31AM	07:41AM	07:46AM	08:00AM
07:50AM	08:01AM	08:11AM	08:16AM	08:30AM
08:20AM	08:31AM	08:41AM	08:46AM	09:01AM
08:50AM	09:02AM	09:15AM	09:20AM	09:35AM
09:20AM	09:32AM	09:45AM	09:50AM	10:05AM
09:50AM	10:02AM	10:15AM	10:20AM	10:35AM
10:20AM	10:32AM	10:45AM	10:50AM	11:05AM
10:50AM	11:02AM	11:15AM	11:20AM	11:35AM
11:20AM	11:32AM	11:45AM	11:50AM	12:05PM
11:50AM	12:02PM	12:15PM	12:20PM	12:35PM
12:20PM	12:32PM	12:45PM	12:50PM	01:05PM
12:50PM	01:02PM	01:15PM	01:20PM	01:35PM
01:20PM	01:32PM	01:45PM	01:50PM	02:05PM
01:50PM	02:02PM	02:15PM	02:20PM	02:35PM
02:20PM	02:32PM	02:45PM	02:50PM	03:09PM
02:50PM	03:04PM	03:17PM	03:23PM	03:42PM
03:25PM	03:39PM	03:52PM	03:58PM	04:17PM
03:55PM	04:09PM	04:22PM	04:28PM	04:47PM
04:25PM	04:39PM	04:52PM	04:58PM	05:17PM
04:55PM	05:09PM	05:22PM	05:28PM	05:47PM
05:25PM	05:39PM	05:52PM	05:58PM	06:17PM
05:55PM	06:09PM	06:22PM	06:28PM	06:47PM
06:25PM	06:39PM	06:52PM	06:58PM	07:17PM
06:55PM	07:09PM	07:19PM	07:24PM	07:38PM
07:25PM	07:37PM	07:47PM	07:52PM	08:06PM
07:50PM	08:02PM	08:12PM	08:17PM	08:31PM
08:20PM	08:32PM	08:42PM	08:47PM	09:01PM
08:50PM	09:02PM	09:12PM	09:17PM	09:31PM
09:20PM	09:32PM	09:42PM	09:47PM	10:01PM
09:50PM	10:02PM	10:11PM	10:15PM	10:27PM
10:20PM	10:30PM	10:39PM	10:43PM	10:55PM
10:55PM	11:05PM	11:14PM	11:18PM	11:30PM

BAL HARBOUR EXPRESS SCHEDULE								
		SUNDAY THRU THURSDAY				FRI/SAT	FRI/SAT	FRI/SAT
96TH BEACH STOP & MAJESTIC	9.00	10.20	11.40	1.45	3.15	5.00	6.50	8.10
ST. REGIS (BUS STOP)	9.01	10.21	11.41	1.46	3.16	5.05	6.52	8.12
BALMORAL	9.02	10.22	11.42	1.47	3.17	5.08	7.00	8.13
SEA VIEW HOTEL	9.03	10.23	11.43	1.48	3.18	5.10	7.02	8.15
BAL HARBOUR TOWER	9.05	10.25	11.45	1.50	3.20	5.12	7.04	8.16
PALACE	9.06	10.26	11.46	1.51	3.21	5.14	7.06	8.17
BAL HARBOUR 101 (CURBSIDE)	9.07	10.27	11.47	1.52	3.22	5.16	7.07	8.18
TIFFANY	9.09	10.29	11.49	1.54	3.24	5.18	7.08	8.20
PLAZA/BEACH CLUB ACCESS	9.11	10.31	11.51	1.56	3.26	5.20	7.09	8.22
CARLTON TERRACE	9.13	10.33	11.53	1.58	3.28	5.22	7.11	8.24
THE HARBOUR HOUSE	9.14	10.34	11.54	1.59	3.29	5.23	7.12	8.25
ONE BAL HARBOUR	9.15	10.35	11.55	2.00	3.30	5.25	7.13	8.26
291 BAL BAY DR	9.17	10.37	11.57	2.02	3.32	5.27	7.15	8.28
BAL BRIDGE NORTH	9.18	10.38	11.58	2.03	3.33	5.28	7.16	8.29
HARBOUR WAY (BUS STOP)	9.19	10.39	11.59	2.04	3.34	5.30	7.18	8.31
BAL HARBOUR COLLINS APTS	9.20	10.40	12.00	2.05	3.35	5.32	7.19	8.32
BAL HARBOUR SHOPS (BUS STOP)	9.21	10.41	12.01	2.06	3.36	5.35	7.20	8.34
BAL HARBOUR VILLAGE(CITY HALL/PARK)	9.22	10.42	12.02	2.07	3.37	N.S.	N.S.	N.S
BAY HARBOR/96TH STREET(CITY HALL)	9.25	10.43	12.03	2.08	3.39	N.S.		N.S
BAY HARBOR TERRACE (DELI'S)	9.27	10.45	12.05	2.10	3.41	N.S.	N.S.	N.S
SURFSIDE (PUBLIX)	9.31	10.49	12.09	2.14	3.45	5.39	7.25	8.39
169TH STREET (EINSTEINS/GNC/PIZZA HUT)	9.41	11.05	12.25	2.30	4.00	5.54	7.35	8.49
AVENTURA MALL (MACYS)	9.51	11.15	12.35	2.45	4.15	6.10	7.45	**8.59
18070 COLLINS AVE(SUNNY ISLE LIBRARY)	9.59	11.22	12.43	2.53	4.27	6.23	7.52	N.S
170TH STREET	10.01	11.25	12.45	2.55	4.30	6.25	7.55	N.S
HAULOVER/HARBOUR WAY (BUS STOP)	10.11	11.35	12.55	3.10	4.45	6.35	8.05	N.S
BAL HARBOUR COLLINS APTS	10.13	11.36	12.57	3.12	4.47	6.40	8.07	N.S

**- LAST STOP-BUS DOES NOT RETURN TO BAL HARBOUR

NO SERVICE ON THE FOLLOWING HOLIDAYS:

MEMORIAL DAY/LABOR DAY/THANKSGIVING/XMAS/NEW YEARS DAY

ALL TIMES ARE APPROXIMATE

FOR MORE INFORMATION, PLEASE CALL THE TRANSPORTATION DIRECTOR (Michael)

AT (305) 866-8597/FAX (305) 866-8763/WATCH CHANNEL 77 FOR UPDATES

REVISED January 17, 2012

APPENDIX F
QUEUING AT
PROJECT DRIVEWAYS

MEMORANDUM

SUBJECT: BHS QUEUING ANALYSIS

4904 Eisenhower Boulevard, Suite 150
Tampa, FL 33634

Office: 813.888.5800
Fax: 813.888.5822
www.walkerparking.com

DATE:	March 27, 2014 – *Rev. 4-8-14 & 5-22-14*
TO:	Nik Massey
COMPANY:	Whitman Family Development
ADDRESS:	
CITY/STATE:	
CC:	Hank Fandrei Roberto Bezold Amy Huber Gary Kessler
HARD COPY TO FOLLOW:	No
FROM:	Tom Butcher
PROJECT NAME:	Bal Harbour Shops
PROJECT NUMBER:	15-1869.00
SUBJECT:	Queuing Analysis

Nik and all –

On March 26, Hank sent us projected peak hour entry and exit volumes at the two main driveways serving the expanded center. Subsequently, we performed a queuing analysis to determine if the current entry and exit layouts and method of operation would produce satisfactory results. We conclude that the design will produce a high level of service to the customer, Level of Service (LOS) A at all locations. Details of the analysis follow.

CURRENT DESIGN ASSUMPTIONS

The expanded center will be served by two primary driveways, one at 96th Street and one at Collins south of Bal Cross. Each access point will contain three entry equipment lanes; the Collins exit will contain four exit equipment lanes and the 96th Street exit will contain three.

The working assumption regarding BHS Parking Access and Revenue Control Systems (PARCS) is that customers will pay for parking through a pay-on-foot system, whereby they pull a ticket at the entry point, keep the ticket with them as they shop or dine, and pay on foot at a pay station before returning to their vehicles. At the exit, they insert their prepaid ticket into an exit validator which raises the gate. Employees will enter and exit the site with Automatic Vehicle Identification (AVI) which employs a transponder mounted to the vehicle.

It is noted that other options are available and can be explored, including SunPass and credit card in/out. In general, use of SunPass would tend to speed things up, and use of credit card in/out would tend to slow things down.

EQUIPMENT CAPACITY

The capacity of each type of control equipment is as follows:

Push button ticket dispenser	400	vehicles per hour (vph)
AVI	800	vph
Insertion ticket at exit	360	vph
Credit card at exit (ticket in)	200	vph

ENTRY LANES

It is expected that each entry lane will be equipped with a ticket spitter and an AVI reader, so that all users can use any lane. For our calculations, we have assumed that 90% of peak hour entries will be customers and 10% will be employees via AVI. This is considered a conservative assumption. The weighted average capacity of an entry lane in this circumstance is 421 vph.

EXIT LANES

It is expected that each exit lane will be equipped with a ticket validator into which the customer inserts his/her validated ticket, and an AVI reader. The ticket validator can also process credit card transactions, so that a person who has not paid on foot, or who has exceeded the grace period, can pay with a credit card in the exit lane. In our calculations, we assumed that 80% of the peak hour exits would be via prepaid ticket, 10% credit card in the lane, and 10% employees via AVI. The weighted average capacity of each exit lane in this circumstance is 351 vph.

QUEUING ANALYSIS

The projected peak hour entry and exit volumes, per Hank Fandrei, and the queuing analysis are summarized in the following table:

Queuing Analysis Summary

	96th Street		North Drive on Collins	
	Entries	Exits	Entries	Exits
Peak Hour Volume (vph)	740	904	901	1,098
Number of lanes	3	3	3	4
Average queue per lane	< 1	1.5	< 1	1
Design queue (90% prob.)	1	4.3	1.5	3.5
Average delay per vehicle	negligible	13.4 sec.	neglibible	10 sec.
Level of Service (LOS)	A	A-	A	A

The queue per lane is measured behind the vehicle in the service position. The design queue is the maximum expected queue at 90% probability.

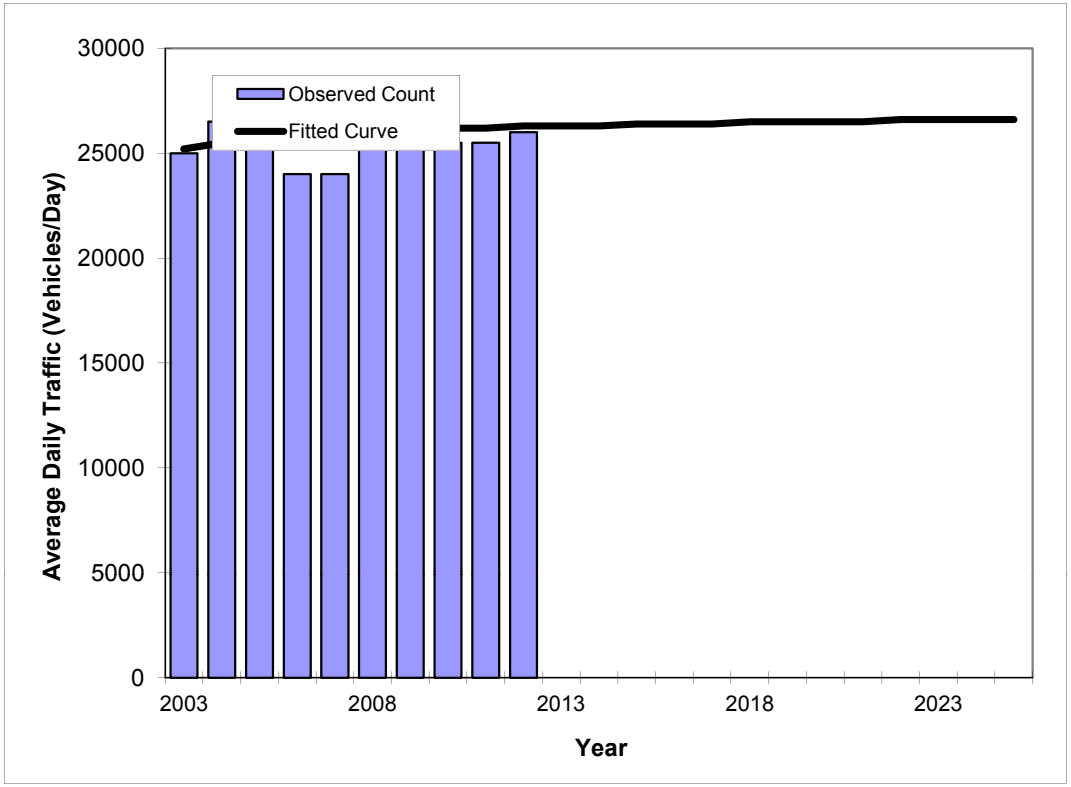
This analysis suggests that delay at the entry and exit plazas will be minimal and that Level of Service (LOS) A or A- will be achieved.

APPENDIX G
TREND ANALYSES

TRAFFIC TRENDS

NE 96 Street -- 400' West of Harding Ave

County:	Miami-Dade
Station #:	87-0132
Highway:	NE 96 Street



Year	Traffic (ADT/AADT) Count*	Trend**
1997	25000	25200
2004	26500	25500
2005	26000	25700
2006	24000	25800
2007	24000	25900
2008	28000	26000
2009	28500	26100
2010	25500	26200
2011	25500	26200
2012	26000	26300
2020 Opening Year Trend		
2020	N/A	26500
2022 Mid-Year Trend		
2022	N/A	26600
2024 Design Year Trend		
2024	N/A	26600
TRANPLAN Forecasts/Trends		

Trend R-squared:	4.9%
Compounded Annual Historic Growth Rate:	0.43%
Compounded Growth Rate (2012 to Design Year):	0.06%
Printed:	22-May-14

Decaying Exponential Growth Option

***Axle-Adjusted**

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2013 HISTORICAL AADT REPORT

COUNTY: 87 - MIAMI-DADE

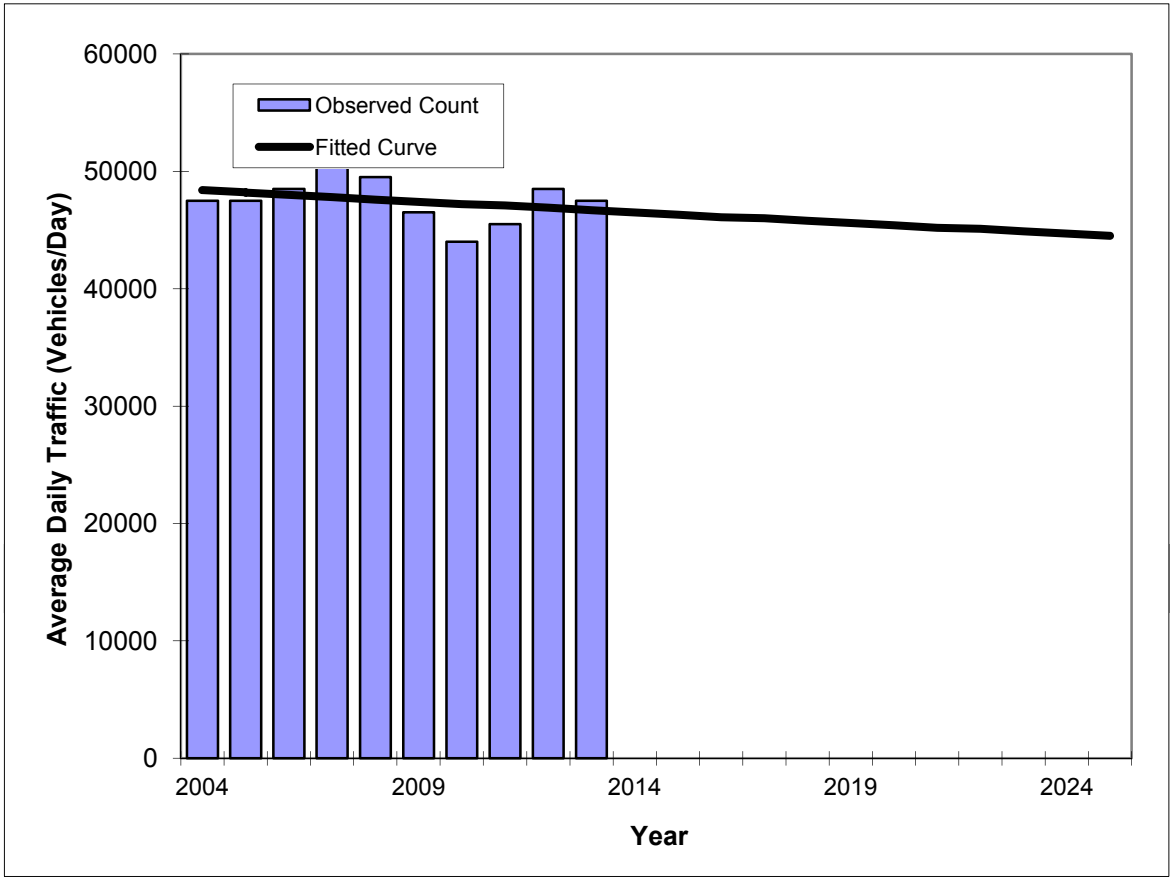
SITE: 0132 - SR 922/NE 96 ST. 89' W OF ABOTT AVE

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2013	22100 C	E 12500	W 9600	9.00	52.40	6.80
2012	26000 C	E 13500	W 12500	9.00	55.70	4.60
2011	25500 C	E 13000	W 12500	9.00	55.10	4.20
2010	25500 C	E 14000	W 11500	8.98	54.08	4.20
2009	28500 C	E 15500	W 13000	8.99	53.24	7.20
2008	28000 C	E 15000	W 13000	9.09	55.75	7.90
2007	24000 F	E 13000	W 11000	8.01	54.34	7.20
2006	24000 C	E 13000	W 11000	7.97	54.22	7.20
2005	26000 C	E 14000	W 12000	8.80	53.80	7.80
2004	26500 C	E 13000	W 13500	9.00	53.30	7.80
2003	25000 C	E 12500	W 12500	8.80	53.40	3.20
2002	24500 C	E 12000	W 12500	9.80	52.30	2.80
2001	23500 F	E 11500	W 12000	8.20	53.50	5.40
2000	23500 C	E 11500	W 12000	8.20	53.10	2.20
1999	23500 C	E 11000	W 12500	9.10	52.70	1.20
1998	23000 C	E 11000	W 12000	7.20	52.70	2.70

TRAFFIC TRENDS

Collins Avenue -- 200' South of Haulover Bridge

County:	Miami-Dade
Station #:	87-0540
Highway:	Collins Avenue



Year	Traffic (ADT/AADT) Count*	Trend**
1997	47500	48400
2005	47500	48200
2006	48500	48000
2007	50500	47800
2008	49500	47600
2009	46500	47400
2010	44000	47200
2011	45500	47100
2012	48500	46900
2013	47500	46700
2020 Opening Year Trend		
2020	N/A	45400
2022 Mid-Year Trend		
2022	N/A	45100
2024 Design Year Trend		
2024	N/A	44700
TRANPLAN Forecasts/Trends		

*Axle-Adjusted

Trend R-squared:	8.8%
Compounded Annual Historic Growth Rate:	-0.40%
Compounded Growth Rate (2013 to Design Year):	-0.40%
Printed:	22-May-14

Exponential Growth Option

FLORIDA DEPARTMENT OF TRANSPORTATION
TRANSPORTATION STATISTICS OFFICE
2013 HISTORICAL AADT REPORT

COUNTY: 87 - MIAMI-DADE

SITE: 0540 - SR A1A/COLLINS AV, 200' S END BRIDG/NCL BAL HARB

YEAR	AADT	DIRECTION 1	DIRECTION 2	*K FACTOR	D FACTOR	T FACTOR
2013	47500 F	N 24000	S 23500	9.00	52.40	4.40
2012	48500 C	N 24500	S 24000	9.00	55.70	4.40
2011	45500 C	N 23000	S 22500	9.00	55.10	6.10
2010	44000 C	N 22000	S 22000	8.98	54.08	6.10
2009	46500 C	N 23000	S 23500	8.99	53.24	3.90
2008	49500 C	N 24500	S 25000	9.09	55.75	3.90
2007	50500 C	N 25000	S 25500	8.01	54.34	3.90
2006	48500 C	N 23500	S 25000	7.97	54.22	2.90
2005	47500 C	N 23000	S 24500	8.80	53.80	7.50
2004	47500 C	N 23000	S 24500	9.00	53.30	7.50
2003	42500 C	N 21000	S 21500	8.80	53.40	4.50
2002	43000 C	N 21500	S 21500	9.80	52.30	2.70
2001	45000 F	N 25000	S 20000	8.20	53.50	6.00
2000	45000 C	N 25000	S 20000	8.20	53.10	4.00
1999	44000 C	N 24500	S 19500	9.10	52.70	3.90
1998	44500 C	N 22000	S 22500	9.30	52.70	2.70

APPENDIX H
TRIP GENERATION & COMMITTED DEVELOPMENT INFO.

Equations from Institute of Transportation Engineers' *Trip Generation Manual*, 9th Edition

Shopping Centers are under Land Use Code (LUC) 820

The equation for the PM Peak Hour of Adjacent Street Traffic (1 hour between 4 and 6 p.m.) is found on page 1563 of the Manual. The equation is based upon data from 426 Shopping Centers

The equation for LUC 820 - PM Pk Hr is: **Ln(T) = 0.67 Ln(X) + 3.31**

Where:

T is the number of total trips during the peak hour.

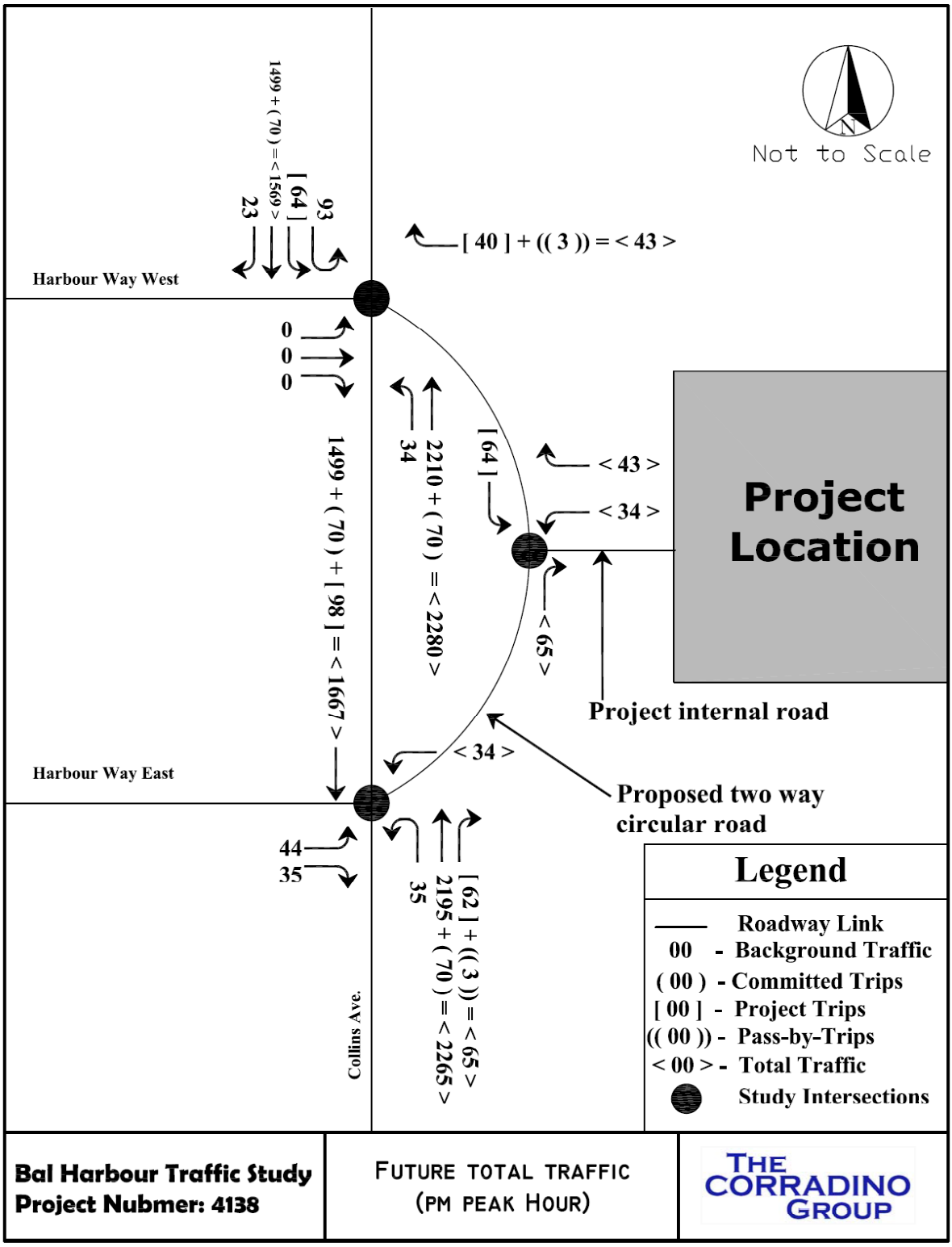
X is the size of the center expressed in the number of 1,000's of square feet of Gross Leasable Floor Area (GLA)

Trips for 472.314 ksf = 1695

Trips for 801.500 ksf = 2416

Percentage Increase = [2416/1695] 142.54%

Figure 5 - Future Traffic Volumes (PM Peak Hour)



Pre School

Facility Name	Coral Villa Preschool
Facility Address	3201 SW 67 Avenue
Date/Day/Hour	Wednesday, April 03, 2013 3:30 PM to 6:00 PM

NUMBER OF VEHICLES ACCUMULATED

TIME		On-Site				Off-Site				TOTAL		
		AREA 1		AREA 2		AREA 3		AREA 4				
Hour	Minute	Auto	Bus	Auto	Bus	Auto	Bus	Auto	Bus	Auto	Bus	
	4:30 PM	2		0						2	0	
	4:31 PM	2		0						2	0	
	4:32 PM	2		0						2	0	
	4:33 PM	1		0						1	0	-1
	4:34 PM	1		0						1	0	
	4:35 PM	0		0						0	0	-1
	4:36 PM	0		0						0	0	
	4:37 PM	0		0						0	0	
	4:38 PM	0		0						0	0	
	4:39 PM	1		0						1	0	+1
	4:40 PM	1		0						1	0	
	4:41 PM	1		0						1	0	
	4:42 PM	1		0						1	0	
	4:43 PM	1		0						1	0	
	4:44 PM	1		0						1	0	
	4:45 PM	1		0						1	0	
	4:46 PM	0		0						0	0	-1
	4:47 PM	0		0						0	0	
	4:48 PM	1		0						1	0	+1
	4:49 PM	2		0						2	0	+1
	4:50 PM	2		0						2	0	
	4:51 PM	3		0						3	0	+1
	4:52 PM	3		0						3	0	
	4:53 PM	3		0						3	0	
	4:54 PM	3		0						3	0	
	4:55 PM	4		0						4	0	+1
	4:56 PM	4		0						4	0	
	4:57 PM	4		0						4	0	
	4:58 PM	5		0						5	0	+1
	4:59 PM	5		0						5	0	
	5:00 PM	5		0						5	0	
	5:01 PM	4		0						4	0	-1
	5:02 PM	3		0						3	0	-1
	5:03 PM	4		0						4	0	+1
	5:04 PM	4		0						4	0	
	5:05 PM	4		0						4	0	
	5:06 PM	4		1						5	0	+1
	5:07 PM	5		1						6	0	+1
	5:08 PM	5		1						6	0	
	5:09 PM	3		1						4	0	-2
	5:10 PM	3		1						4	0	
	5:11 PM	3		0						3	0	-1
	5:12 PM	3		0						3	0	
	5:13 PM	3		0						3	0	
	5:14 PM	3		1						4	0	+1
	5:15 PM	3		1						4	0	
	5:16 PM	2		1						3	0	-1
	5:17 PM	2		1						3	0	
	5:18 PM	2		1						3	0	
	5:19 PM	1		1						2	0	-1
	5:20 PM	1		1						2	0	
	5:21 PM	0		1						1	0	-1
	5:22 PM	0		1						1	0	
	5:23 PM	0		1						1	0	
	5:24 PM	2		1						3	0	+2
	5:25 PM	3		1						4	0	+1
	5:26 PM	3		1						4	0	
	5:27 PM	4		1						5	0	+1
	5:28 PM	5		1						6	0	+1
	5:29 PM	5		1						6	0	
	0:60											
1 Min Peak Acc.												

5-5:30

9 ENTER

8 EXIT

Facility Name	Coral Villa Preschool
Facility Address	3201 SW 67 Avenue
Date/Day/Hour	Wednesday, April 03, 2013 3:30 PM to 6:00 PM

NUMBER OF VEHICLES ACCUMULATED

TIME		On-Site				Off-Site				TOTAL		
		AREA 1		AREA 2		AREA 3		AREA 4				
Hour	Minute	Auto	Bus	Auto	Bus	Auto	Bus	Auto	Bus	Auto	Bus	
	3:30 PM	0		0						0	0	
	3:31 PM	0		0						0	0	
	3:32 PM	0		0						0	0	
	3:33 PM	0		0						0	0	
	3:34 PM	0		0						0	0	
	3:35 PM	1		0						1	0	
	3:36 PM	1		0						1	0	
	3:37 PM	1		0						1	0	
	3:38 PM	1		0						1	0	
	3:39 PM	1		0						1	0	
	3:40 PM	2		0						2	0	
	3:41 PM	2		0						2	0	
	3:42 PM	2		0						2	0	
	3:43 PM	2		0						2	0	
	3:44 PM	2		0						2	0	
	3:45 PM	2		0						2	0	
	3:46 PM	2		0						2	0	
	3:47 PM	2		0						2	0	
	3:48 PM	2		0						2	0	
	3:49 PM	2		0						2	0	
	3:50 PM	2		0						2	0	
	3:51 PM	2		0						2	0	
	3:52 PM	2		0						2	0	
	3:53 PM	2		0						2	0	
	3:54 PM	2		0						2	0	
	3:55 PM	2		0						2	0	
	3:56 PM	3		0						3	0	
	3:57 PM	4		0						4	0	
	3:58 PM	4		0						4	0	
	3:59 PM	4		0						4	0	
	4:00 PM	4		0						4	0	
	4:01 PM	4		0						4	0	
	4:02 PM	4		0						4	0	
	4:03 PM	4		0						4	0	
	4:04 PM	3		0						3	0	-1
	4:05 PM	4		0						4	0	+1
	4:06 PM	4		0						4	0	
	4:07 PM	4		0						4	0	
	4:08 PM	5		0						5	0	+1
	4:09 PM	5		0						5	0	
	4:10 PM	5		0						5	0	
	4:11 PM	4		0						4	0	-1
	4:12 PM	4		0						4	0	
	4:13 PM	5		0						5	0	+1
	4:14 PM	4		0						4	0	-1
	4:15 PM	5		0						5	0	+1
	4:16 PM	5		0						5	0	
	4:17 PM	5		0						5	0	
	4:18 PM	5		0						5	0	
	4:19 PM	5		0						5	0	
	4:20 PM	1		0						1	0	-4
	4:21 PM	1		0						1	0	
	4:22 PM	1		0						1	0	
	4:23 PM	2		0						2	0	+1
	4:24 PM	2		0						2	0	
	4:25 PM	3		0						3	0	+1
	4:26 PM	3		0						3	0	
	4:27 PM	3		0						3	0	
	4:28 PM	2		0						2	0	-1
	4:29 PM	2		0						2	0	
	0:60											
1 Min Peak Acc.												

Facility Name	Coral Villa Preschool
Facility Address	3201 SW 67 Avenue
Date/Day/Hour	Wednesday, April 03, 2013 3:30 PM to 6:00 PM

NUMBER OF VEHICLES ACCUMULATED

TIME		On-Site				Off-Site				TOTAL		
		AREA 1		AREA 2		AREA 3		AREA 4				
Hour	Minute	Auto	Bus	Auto	Bus	Auto	Bus	Auto	Bus	Auto	Bus	
	5:30 PM	5		1						6	0	
	5:31 PM	5		1						6	0	
	5:32 PM	4		1						5	0	-1
	5:33 PM	4		0						4	0	-1
	5:34 PM	4		0						4	0	
	5:35 PM	4		0						4	0	
	5:36 PM	5		0						5	0	+1
	5:37 PM	4		0						4	0	-1
	5:38 PM	3		0						3	0	-1
	5:39 PM	3		0						3	0	
	5:40 PM	4		0						4	0	+1
	5:41 PM	4		0						4	0	
	5:42 PM	4		0						4	0	
	5:43 PM	4		0						4	0	
	5:44 PM	4		1						5	0	+1
	5:45 PM	4		1						5	0	
	5:46 PM	5		1						6	0	+1
	5:47 PM	3		1						4	0	-2
	5:48 PM	3		3						6	0	+2
	5:49 PM	3		2						5	0	-1
	5:50 PM	1		2						3	0	-2
	5:51 PM	1		2						3	0	
	5:52 PM	1		1						2	0	-1
	5:53 PM	1		1						2	0	
	5:54 PM	1		1						2	0	
	5:55 PM	1		1						2	0	
	5:56 PM	1		1						2	0	
	5:57 PM	0		1						1	0	-1
	5:58 PM	1		1						2	0	+1
	5:59 PM	1		1						2	0	
	0:60											
1 Min Peak Acc.												

5:30-6

7 ENTER

11 EXIT

5:00-6:00PM

16 ENTER

19 EXIT

Assume 19-20% use 96 St

" 36% use A1A N/of 96 St

APPENDIX I
CARDINAL DISTRIBUTION DATA

Cardinal Distribution for TAZ # 598

Target Year 2014

	2005	2035	Change	2014
NNE	9.82%	11.29%	1.47%	10.26%
ENE	3.49%	5.11%	1.62%	3.98%
ESE	0.00%	0.00%	0.00%	0.00%
SSE	13.65%	21.95%	8.30%	16.14%
SSW	19.93%	20.40%	0.47%	20.07%
WSW	17.45%	10.08%	-7.37%	15.24%
WNW	13.94%	9.45%	-4.49%	12.59%
NNW	21.72%	21.72%	0.00%	21.72%
	100.00%	100.00%	0.00%	100.00%

"f" is used to prorate the change
to the Target Year

f = 0.30

% for target year =

(f) x (change) + (2005 value)

Cardinal Distribution for TAZ # 598

Target Year 2020

	2005	2035	Change	2020
NNE	9.82%	11.29%	1.47%	10.56%
ENE	3.49%	5.11%	1.62%	4.30%
ESE	0.00%	0.00%	0.00%	0.00%
SSE	13.65%	21.95%	8.30%	17.80%
SSW	19.93%	20.40%	0.47%	20.16%
WSW	17.45%	10.08%	-7.37%	13.77%
WNW	13.94%	9.45%	-4.49%	11.70%
NNW	21.72%	21.72%	0.00%	21.71%
	100.00%	100.00%	0.00%	100.00%

"f" is used to prorate the change
to the Target Year

f = 0.50

% for target year =

(f) x (change) + (2005 value)

MIAMI-DADE 2005 DIRECTIONAL DISTRIBUTION SUMMARY											
ORIGIN ZONE			CARDINAL DIRECTIONS								
County TAZ	Regional TAZ		NNE	ENE	ESE	SSE	SSW	WSW	WNW	NNW	TOTAL
586	3286	TRIPS	18	0	0	6	152	109	122	117	524
		PERCENT	3.44	0	0	1.15	29.01	20.8	23.28	22.33	
587	3287	TRIPS	84	0	0	22	540	348	383	445	1,822
		PERCENT	4.61	0	0	1.21	29.64	19.1	21.02	24.42	
588	3288	TRIPS	158	12	0	121	485	329	380	416	1,901
		PERCENT	8.31	0.63	0	6.37	25.51	17.31	19.99	21.88	
589	3289	TRIPS	667	0	0	850	1703	1707	1040	2013	7,980
		PERCENT	8.36	0	0	10.65	21.34	21.39	13.03	25.23	
590	3290	TRIPS	126	15	0	80	460	464	453	539	2,137
		PERCENT	5.9	0.7	0	3.74	21.53	21.71	21.2	25.22	
591	3291	TRIPS	82	0	0	25	541	343	324	412	1,727
		PERCENT	4.75	0	0	1.45	31.33	19.86	18.76	23.86	
592	3292	TRIPS	114	0	0	45	609	620	358	688	2,434
		PERCENT	4.68	0	0	1.85	25.02	25.47	14.71	28.27	
593	3293	TRIPS	546	53	0	410	1520	1748	1087	1883	7,247
		PERCENT	7.53	0.73	0	5.66	20.97	24.12	15	25.98	
594	3294	TRIPS	399	21	0	289	867	744	714	994	4,028
		PERCENT	9.91	0.52	0	7.17	21.52	18.47	17.73	24.68	
595	3295	TRIPS	96	0	0	40	455	341	289	460	1,681
		PERCENT	5.71	0	0	2.38	27.07	20.29	17.19	27.36	
596	3296	TRIPS	556	0	0	503	374	257	340	633	2,663
		PERCENT	20.88	0	0	18.89	14.04	9.65	12.77	23.77	
597	3297	TRIPS	331	0	0	703	1571	1594	1103	2346	7,648
		PERCENT	4.33	0	0	9.19	20.54	20.84	14.42	30.67	
598	3298	TRIPS	653	232	0	908	1326	1161	927	1445	6,652
		PERCENT	9.82	3.49	0	13.65	19.93	17.45	13.94	21.72	
599	3299	TRIPS	1293	721	0	2144	1590	1370	1238	1771	10,127
		PERCENT	12.77	7.12	0	21.17	15.7	13.53	12.22	17.49	
600	3300	TRIPS	8	2	2	8	3	1	1	2	27
		PERCENT	29.63	7.41	7.41	29.63	11.11	3.7	3.7	7.41	
601	3301	TRIPS	133	51	0	162	301	109	93	252	1,101
		PERCENT	12.08	4.63	0	14.71	27.34	9.9	8.45	22.89	
602	3302	TRIPS	164	0	0	732	2089	1021	806	2452	7,264
		PERCENT	2.26	0	0	10.08	28.76	14.06	11.1	33.76	
603	3303	TRIPS	87	0	0	233	3030	1677	943	2640	8,610
		PERCENT	1.01	0	0	2.71	35.19	19.48	10.95	30.66	
604	3304	TRIPS	575	0	140	702	1185	531	298	775	4,206
		PERCENT	13.67	0	3.33	16.69	28.17	12.62	7.09	18.43	
605	3305	TRIPS	718	0	0	614	1541	1195	606	1299	5,973
		PERCENT	12.02	0	0	10.28	25.8	20.01	10.15	21.75	
606	3306	TRIPS	600	255	153	1420	763	1283	582	662	5,718
		PERCENT	10.49	4.46	2.68	24.83	13.34	22.44	10.18	11.58	
607	3307	TRIPS	1119	1014	248	1222	1583	2338	2055	2064	11,643
		PERCENT	9.61	8.71	2.13	10.5	13.6	20.08	17.65	17.73	
608	3308	TRIPS	847	151	0	1168	651	1355	680	798	5,650
		PERCENT	14.99	2.67	0	20.67	11.52	23.98	12.04	14.12	
609	3309	TRIPS	47	0	0	0	2681	1530	1094	2305	7,657
		PERCENT	0.61	0	0	0	35.01	19.98	14.29	30.1	
610	3310	TRIPS	658	0	0	0	5614	4005	1469	3095	14,841
		PERCENT	4.43	0	0	0	37.83	26.99	9.9	20.85	
611	3311	TRIPS	348	0	0	355	1523	550	290	449	3,515
		PERCENT	9.9	0	0	10.1	43.33	15.65	8.25	12.77	
612	3312	TRIPS	2984	1646	886	3098	3415	6258	3904	4282	26,473
		PERCENT	11.27	6.22	3.35	11.7	12.9	23.64	14.75	16.17	
613	3313	TRIPS	1127	93	191	328	2025	2020	742	1010	7,536
		PERCENT	14.95	1.23	2.53	4.35	26.87	26.8	9.85	13.4	
614	3314	TRIPS	472	0	0	0	1400	1260	470	929	4,531
		PERCENT	10.42	0	0	0	30.9	27.81	10.37	20.5	
615	3315	TRIPS	827	0	0	0	2953	2328	1671	1616	9,395
		PERCENT	8.8	0	0	0	31.43	24.78	17.79	17.2	
616	3316	TRIPS	690	0	0	0	1934	1696	989	1170	6,479
		PERCENT	10.65	0	0	0	29.85	26.18	15.26	18.06	
617	3317	TRIPS	1927	151	221	1054	1611	2205	913	1788	9,870
		PERCENT	19.52	1.53	2.24	10.68	16.32	22.34	9.25	18.12	
618	3318	TRIPS	1020	0	0	0	1909	2286	1028	1691	7,934

MIAMI-DADE 2035 DIRECTIONAL DISTRIBUTION SUMMARY											
			CARDINAL DIRECTIONS								
ORIGIN ZONE			NNE	ENE	ESE	SSE	SSW	WSW	WNW	NNW	TOTAL
		PERCENT	23.85	7.3	1.01	2.87	1.49	21.11	23	19.37	
579	3279	TRIPS	532	163	8	79	115	692	783	919	3,291
		PERCENT	16.17	4.95	0.24	2.4	3.49	21.03	23.79	27.92	
580	3280	TRIPS	1565	353	7	140	241	1756	1724	2420	8,206
		PERCENT	19.07	4.3	0.09	1.71	2.94	21.4	21.01	29.49	
581	3281	TRIPS	1582	369	6	155	122	1228	1101	1549	6,112
		PERCENT	25.88	6.04	0.1	2.54	2	20.09	18.01	25.34	
582	3282	TRIPS	1489	313	5	86	43	815	795	1131	4,677
		PERCENT	31.84	6.69	0.11	1.84	0.92	17.43	17	24.18	
583	3283	TRIPS	27	0	0	50	7618	714	116	134	8,659
		PERCENT	0.31	0	0	0.58	87.98	8.25	1.34	1.55	
584	3284	TRIPS	102	25	0	168	465	513	341	432	2,046
		PERCENT	4.99	1.22	0	8.21	22.73	25.07	16.67	21.11	
585	3285	TRIPS	128	0	0	40	2210	1956	960	1378	6,672
		PERCENT	1.92	0	0	0.6	33.12	29.32	14.39	20.65	
586	3286	TRIPS	21	0	0	7	203	114	181	140	666
		PERCENT	3.15	0	0	1.05	30.48	17.12	27.18	21.02	
587	3287	TRIPS	333	8	0	481	1246	730	1214	1247	5,259
		PERCENT	6.33	0.15	0	9.15	23.69	13.88	23.08	23.71	
588	3288	TRIPS	484	0	0	330	563	687	820	934	3,818
		PERCENT	12.68	0	0	8.64	14.75	17.99	21.48	24.46	
589	3289	TRIPS	663	130	0	634	3601	2876	2108	2567	12,579
		PERCENT	5.27	1.03	0	5.04	28.63	22.86	16.76	20.41	
590	3290	TRIPS	128	0	0	36	744	735	615	931	3,189
		PERCENT	4.01	0	0	1.13	23.33	23.05	19.29	29.19	
591	3291	TRIPS	169	0	0	39	666	620	629	926	3,049
		PERCENT	5.54	0	0	1.28	21.84	20.33	20.63	30.37	
592	3292	TRIPS	373	28	0	225	722	768	594	733	3,443
		PERCENT	10.83	0.81	0	6.53	20.97	22.31	17.25	21.29	
593	3293	TRIPS	1274	165	0	409	1725	1761	1910	2894	10,138
		PERCENT	12.57	1.63	0	4.03	17.02	17.37	18.84	28.55	
594	3294	TRIPS	313	0	0	154	1651	1445	1140	2019	6,722
		PERCENT	4.66	0	0	2.29	24.56	21.5	16.96	30.04	
595	3295	TRIPS	323	0	0	182	511	463	454	979	2,912
		PERCENT	11.09	0	0	6.25	17.55	15.9	15.59	33.62	
596	3296	TRIPS	447	0	0	241	513	454	231	816	2,702
		PERCENT	16.54	0	0	8.92	18.99	16.8	8.55	30.2	
597	3297	TRIPS	1052	288	0	937	2657	1612	1144	2558	10,248
		PERCENT	10.27	2.81	0	9.14	25.93	15.73	11.16	24.96	
598	3298	TRIPS	944	427	0	1836	1706	843	790	1816	8,362
		PERCENT	11.29	5.11	0	21.96	20.4	10.08	9.45	21.72	
599	3299	TRIPS	2261	155	686	2688	1346	1293	1573	2475	12,477
		PERCENT	18.12	1.24	5.5	21.54	10.79	10.36	12.61	19.84	
600	3300	TRIPS	4	0	0	14	11	1	7	6	43
		PERCENT	9.3	0	0	32.56	25.58	2.33	16.28	13.95	
601	3301	TRIPS	32	0	0	175	546	337	122	383	1,595
		PERCENT	2.01	0	0	10.97	34.23	21.13	7.65	24.01	
602	3302	TRIPS	77	0	0	153	2603	1614	2059	3030	9,536
		PERCENT	0.81	0	0	1.6	27.3	16.93	21.59	31.77	
603	3303	TRIPS	902	0	387	2011	2886	1605	846	2303	10,940
		PERCENT	8.24	0	3.54	18.38	26.38	14.67	7.73	21.05	
604	3304	TRIPS	442	0	0	491	1442	1094	412	1489	5,370
		PERCENT	8.23	0	0	9.14	26.85	20.37	7.67	27.73	
605	3305	TRIPS	1326	486	165	2271	789	1233	616	974	7,860
		PERCENT	16.87	6.18	2.1	28.89	10.04	15.69	7.84	12.39	
606	3306	TRIPS	1041	921	494	1571	879	1122	754	809	7,591
		PERCENT	13.71	12.13	6.51	20.7	11.58	14.78	9.93	10.66	
607	3307	TRIPS	1057	373	0	1686	1887	4368	2617	2905	14,893
		PERCENT	7.1	2.5	0	11.32	12.67	29.33	17.57	19.51	
608	3308	TRIPS	34	0	0	0	2550	2183	1128	1815	7,710
		PERCENT	0.44	0	0	0	33.07	28.31	14.63	23.54	
609	3309	TRIPS	537	0	0	0	2667	1814	1428	3881	10,327
		PERCENT	5.2	0	0	0	25.83	17.57	13.83	37.58	
610	3310	TRIPS	1200	0	0	2501	7066	4049	1585	3002	19,403
		PERCENT	6.18	0	0	12.89	36.42	20.87	8.17	15.47	
611	3311	TRIPS	528	756	156	728	482	873	399	623	4,545
		PERCENT	11.62	16.63	3.43	16.02	10.61	19.21	8.78	13.71	
612	3312	TRIPS	3289	672	288	1205	6851	9632	4777	6211	32,925

APPENDIX J
TRAFFIC SIGNAL TIMING RECORDS

TOD Schedule Report

for 3548: Collins Av@9701 Blk

Print Date: 1/30/2014

Print Time: 8:06 AM

Asset	Intersection	TOD Schedule	Op Mode	Plan #	Cycle	Offset	TOD Setting	Active PhaseBank	Active Maximum
3548	Collins Av@9701 Blk	DOW-5		N/A	0	0	N/A	0	Max 0

Splits

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

Active Phase Bank: Phase Bank 1

Phase		Walk (Phase Bank 1 - 2 - 3)	Don't Walk (1 - 2 - 3)	Min Initial (1 - 2 - 3)	Veh Ext (1 - 2 - 3)	Max Limit (1 - 2 - 3)	Max 2 (1 - 2 - 3)	Yellow	Red
1	NBL	0 - 0 - 0	0 - 0 - 0	5 - 5 - 5	2 - 2 - 2	5 - 5 - 5	12 - 12 - 12	3.7	2.5
2	SBT	5 - 5 - 5	24 - 24 - 24	7 - 7 - 7	1 - 1 - 1	35 - 35 - 35	0 - 35 - 35	4	2.5
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	SBL	0 - 0 - 0	0 - 0 - 0	5 - 5 - 5	2 - 2 - 2	5 - 5 - 5	7 - 7 - 7	3.7	2.5
6	NBT	5 - 5 - 5	24 - 24 - 24	7 - 7 - 7	1 - 1 - 1	35 - 35 - 35	0 - 35 - 35	4	2.5
7	WBT	0 - 0 - 0	0 - 0 - 0	7 - 7 - 7	2.5 - 2.5 - 2.5	7 - 7 - 7	18 - 20 - 16	4	2.8
8	EBT	4 - 4 - 4	29 - 29 - 29	7 - 7 - 7	2.5 - 2.5 - 2.5	16 - 10 - 7	16 - 20 - 15	4	2.8

Last In Service Date: unknown

Permitted Phases

	12345678
Default	12--5678
External Permit 0	--------
External Permit 1	-2---678
External Permit 2	-2---678

Current TOD Schedule	Plan	Cycle	Green Time 1 NBL	2 SBT	3 -	4 -	5 SBL	6 NBT	7 WBT	8 EBT	Ring Offset	Offset
	5	110	8	30	0	0	5	33	12	33	0	4
	13	140	5	58	0	0	5	58	17	33	0	18
	14	150	10	64	0	0	5	69	15	34	0	29
	16	150	5	68	0	0	5	68	17	33	0	54
	17	160	5	78	0	0	5	78	17	33	0	51
	18	150	5	66	0	0	5	66	17	35	0	75
	19	130	5	48	0	0	5	48	17	33	0	25
	20	110	5	32	0	0	5	32	13	33	0	79

Local TOD Schedule

Time	Plan	DOW
0000	Free	Su M T W Th F S
0200	Flash	Su M T W Th F S
0600	5	M T W Th F
0630	19	M T W Th F
0700	16	M T W Th F
0745	17	M T W Th F
0800	Free	Su S
0900	13	M T W Th F
1000	14	Su S
1400	14	M T W Th F
1500	18	M T W Th F
1830	19	M T W Th F
2100	Free	M T W Th F
2200	Free	Su S

Current Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	----4---	SuM T W ThF S
0100	TOD OUTPUTS	-------1	M T W ThF
0200	TOD OUTPUTS	-----3--	M T W ThF
0600	TOD OUTPUTS	-------1	M T W ThF
0900	TOD OUTPUTS	------2-	M T W ThF
1500	TOD OUTPUTS	--------	M T W ThF
1800	TOD OUTPUTS	------2-	M T W ThF
2100	TOD OUTPUTS	----4---	M T W ThF

Local Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	----4---	SuM T W ThF S
0100	TOD OUTPUTS	-------1	M T W ThF
0200	TOD OUTPUTS	-----3--	M T W ThF
0600	TOD OUTPUTS	-------1	M T W ThF
0600	TOD OUTPUTS	-------1	Su
0900	TOD OUTPUTS	------2-	M T W ThF
1000	TOD OUTPUTS	----4---	Su S
1500	TOD OUTPUTS	--------	M T W ThF
1800	TOD OUTPUTS	------2-	M T W ThF
2100	TOD OUTPUTS	----4---	M T W ThF
2200	TOD OUTPUTS	-----3--	Su S
2300	TOD OUTPUTS	-------1	Su

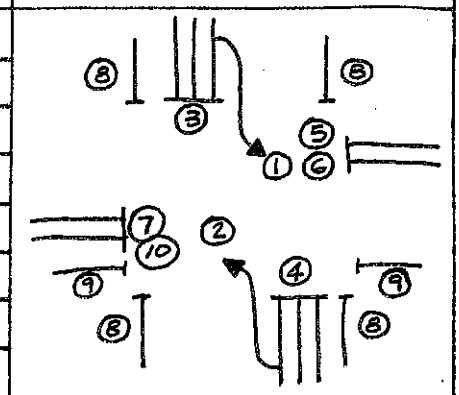
*** Settings**

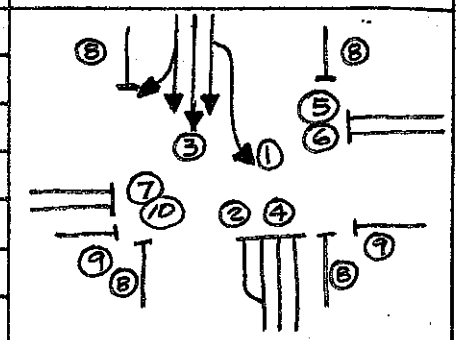
Blank - FREE - Phase Bank 1, Max 1
Blank - Plan - Phase Bank 1, Max 2
1 - Phase Bank 2, Max 1
2 - Phase Bank 2, Max 2
3 - Phase Bank 3, Max 1
4 - Phase Bank 3, Max 2
5 - EXTERNAL PERMIT 1
6 - EXTERNAL PERMIT 2
7 - X-PED OMIT
8 - TBA

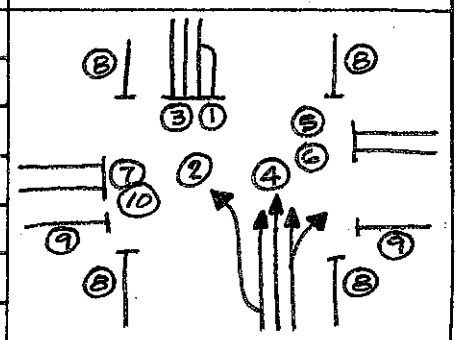
No Calendar Defined/Enabled

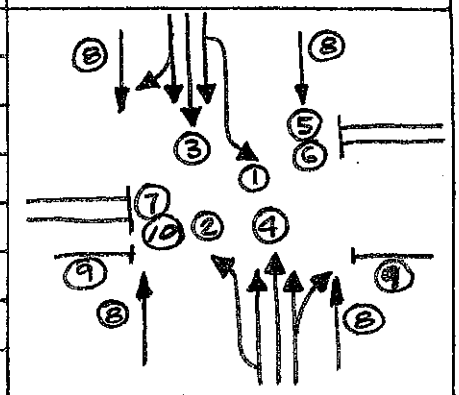
SIGNAL OPERATING PLAN

PHASE	INT	1	2	3	4	5	6	7	8	9	10
		SIGNAL HEAD NUMBER									
Φ(1+5) NBLT/SBLT	R/W	←	←	R	R	R	R	R	DW	DW	R
	TO 1+6	←	Y	R	R	R	R	R	DW	DW	R
	TO 2+5	Y	←	R	R	R	R	R	DW	DW	R
	TO 2+6	Y	Y	R	R	R	R	R	DW	DW	R
ACTUATED	CLEAR										
Φ(1+6) SBND LEAD	R/W	←	R	G	R	R	R	R	DW	DW	R
	TO 2+6	Y	R	G	R	R	R	R	DW	DW	R
ACTUATED	CLEAR										
Φ(2+5) NBND LEAD	R/W	R	←	R	G	R	R	R	DW	DW	R
	TO 2+6	R	Y	R	G	R	R	R	DW	DW	R
ACTUATED	CLEAR										
Φ(2+6) NORTH/SOUTH	R/W	G	G	G	G	R	R	R	W	DW	R
	PED.CLR.	G	G	G	G	R	R	R	F DW	DW	R
	TO Φ3	Y	Y	Y	Y	R	R	R	DW	DW	R
	TO Φ4	Y	Y	Y	Y	R	R	R	DW	DW	R
RECALL	CLEAR										







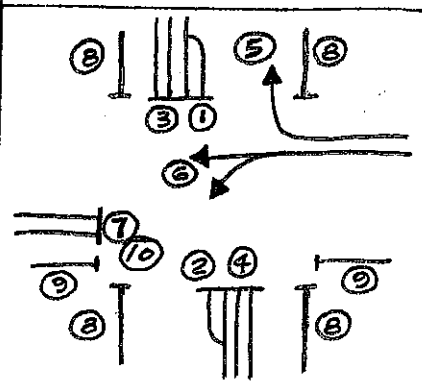


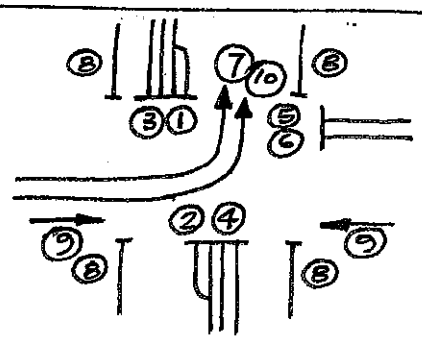
Drawn C.L. ROQUE	Date 2/20/87	METROPOLITAN DADE COUNTY DEPARTMENT OF TRAFFIC AND TRANSPORTATION
Check	Date 2/24/87	ASSET NO: 33548
Division Engineer	Date	AIA & 9701
		SHEET 1 OF 2

Placed In Service		Phasing Number
Date: 11/24/87	By: SHOP	9

SIGNAL OPERATING PLAN

PHASE	INT	1	2	3	4	5	6	7	8	9	10
		SIGNAL HEAD NUMBER									
Φ3 WESTBOUND	R/W	R	R	R	R	G	G/←	R	DW	DW	R
	CLEAR TO Φ4	R	R	R	R	Y	Y	R	DW	DW	R
	CLEAR TO 1+5	R	R	R	R	Y	Y	R	DW	DW	R
	CLEAR TO 1+6	R	R	R	R	Y	Y	R	DW	DW	R
	CLEAR TO 2+5	R	R	R	R	Y	Y	R	DW	DW	R
	CLEAR TO 2+6	R	R	R	R	Y	Y	R	DW	DW	R
ACTUATED											
Φ4 EASTBOUND	R/W	R	R	R	R	R	R	←	DW	W	↑/←
	PED. CLR.	R	R	R	R	R	R	←	DW	F DW	↑/←
	CLEAR TO 1+5	R	R	R	R	R	R	Y	DW	DW	Y
	CLEAR TO 1+6	R	R	R	R	R	R	Y	DW	DW	Y
	CLEAR TO 2+5	R	R	R	R	R	R	Y	DW	DW	Y
	CLEAR TO 2+6	R	R	R	R	R	R	Y	DW	DW	Y
ACTUATED											
FLASHING OPS.	R/W	FY	FY	FY	FY	FR	FR	FR	—	—	FR
	CLEAR TO										
N	R/W										
	CLEAR TO										





Drawn C. L. ROQUE	Date 2/20/87	METROPOLITAN DADE COUNTY DEPARTMENT OF TRAFFIC AND TRANSPORTATION
Check Fred Pinto	Date 2/24/87	ASSET NO: 33548
Division Engineer	Date	AIA & 9701
		SHEET 2 OF 2
		Placed In Service — Date: 11/24/87 By: SHOP — Phasing Number 9

TOD Schedule Report

for 3005: Collins Av&96 St

Print Date: 1/31/2014

Print Time: 8:06 AM

Asset	Intersection	TOD Schedule	Op Mode	Plan #	Cycle	Offset	TOD Setting	Active PhaseBank	Active Maximum
3005	Collins Av&96 St	DOW-6		N/A	0	0	N/A	0	Max 0

Splits

PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8
NBL	-	EBT	WBT	PED	NBT	-	-
0	0	0	0	0	0	0	0

Active Phase Bank: Phase Bank 1

Phase		Walk (Phase Bank 1 - 2 - 3)	Don't Walk (1 - 2 - 3)	Min Initial (1 - 2 - 3)	Veh Ext (1 - 2 - 3)	Max Limit (1 - 2 - 3)	Max 2 (1 - 2 - 3)	Yellow	Red
1	NBL	0 - 0 - 0	0 - 0 - 0	4 - 4 - 4	2 - 2 - 2	0 - 30 - 30	0 - 0 - 0	4	2.9
2	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
3	EBT	4 - 4 - 4	14 - 14 - 14	4 - 4 - 4	1 - 1 - 1	18 - 25 - 25	77 - 0 - 0	4	2.2
4	WBT	0 - 0 - 0	0 - 0 - 0	7 - 7 - 7	2.5 - 2.5 - 2.5	7 - 10 - 10	7 - 0 - 0	4	2.2
5	PED	4 - 4 - 4	13 - 13 - 13	4 - 4 - 4	2 - 0 - 0	30 - 0 - 0	30 - 0 - 0	0	1
6	NBT	4 - 4 - 4	12 - 12 - 12	4 - 4 - 4	1 - 1 - 1	30 - 30 - 30	30 - 0 - 0	4	2.9
7	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
8	-	0 - 0 - 0	0 - 0 - 0	0 - 4 - 0	0 - 2 - 0	0 - 30 - 0	0 - 0 - 0	0	0

Last In Service Date: unknown

Permitted Phases

	12345678
Default	1-3456--
External Permit 0	--------
External Permit 1	--------
External Permit 2	--------

Current TOD Schedule	Plan	Cycle	Green Time 1 NBL	2 -	3 EBT	4 WBT	5 PED	6 NBT	7 -	8 -	Ring Offset	Offset
	5	110	39	0	25	8	18	39	0	0	0	49
	13	140	51	0	44	8	17	51	0	0	0	61
	14	150	58	0	51	4	17	58	0	0	0	51
	16	150	49	0	56	8	17	49	0	0	0	69
	17	160	42	0	73	8	17	42	0	0	0	43
	18	150	47	0	58	8	17	47	0	0	0	113
	19	130	40	0	45	8	17	40	0	0	0	61
	20	110	40	0	25	8	17	40	0	0	0	59

Local TOD Schedule

Time	Plan	DOW
0000	Free	Su M T W Th F S
0200	Free	Su M T W Th F S
0600	5	M T W Th F
0630	19	M T W Th F
0700	16	M T W Th F
0745	17	M T W Th F
0800	Free	Su S
0900	13	M T W Th F
1000	14	Su S
1400	14	M T W Th F
1500	18	M T W Th F
1830	19	M T W Th F
2100	Free	M T W Th F
2200	Free	Su S

Current Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	--------	SuM T W ThF S

Local Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	--------	SuM T W ThF S

*** 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

No Calendar Defined/Enabled

SIGNAL OPERATING PLAN

N

	Direction	NB		EB		WB		Ped Heads			
Timing Phases	Head No.	1	6	3	8		4	P6	P2	P8	Movements/Display/Actuation
5	Dwell	<R	G	R	R		R	DW	W/F	DW	P2
NB	Clear to 1+6	<R	G	R	R		R	DW	DW	DW	6
COLLINS AV											
(ACTUATED)											
1+6	Dwell	<G	G	R	R		R	W/F	DW	DW	
NB L	Clear to 3	<Y	Y	R	R		R	DW	DW	DW	1 6 P6
COLLINS AV	Clear to 4	<Y	Y	R	R		R	DW	DW	DW	
	Clear to 5	<Y	G	R	R		R	DW	DW	DW	
(RECALL)											
3	Dwell	<R	R	<G	<G/G		R	DW	DW	W/F	
EB	Clear to 4	<R	R	Y	Y		R	DW	DW	DW	
96 Street	Clear to 5	<R	R	Y	Y		R	DW	DW	DW	3
	Clear to 1+6	<R	R	Y	Y		R	DW	DW	DW	8 P8
(RECALL)											
COLLINS AV	Dwell										
(ACTUATED)	Clear to										
4	Dwell	<R	R	R	R		G	DW	DW	DW	
WB	Clear to 5	<R	R	R	R		Y	DW	DW	DW	4
	Clear to 1+6	<R	R	R	R		Y	DW	DW	DW	
96 STREET											
(ACTUATED)											
	Dwell										
COLLINS AV	Clear to										
Flashing Operation		F<Y	FY	FR	FR		FR				Page 1 of 1

Miami-Dade County Public Works Department

Drawn	Date	Collins Av & 96 Street			
WILLIAM RIVERA PAZ	1/31/2013				
Checked	Date	Placed in Service		Phasing No.	Asset Number
H. HERNANDEZ	1/31/13	Date 2/6/13	By: FSC	7	3005

TOD Schedule Report

for 2919: Harding Av&96 St

Print Date: 1/30/2014

Print Time: 8:04 AM

Asset	Intersection	TOD Schedule	Op Mode	Plan #	Cycle	Offset	TOD Setting	Active PhaseBank	Active Maximum
2919	Harding Av&96 St	DOW-5		N/A	0	0	N/A	0	Max 0

Splits

PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8
-	SBT	-	WBT	-	-	-	EBT
0	0	0	0	0	0	0	0

Active Phase Bank: Phase Bank 1

Phase		Walk (Phase Bank 1 - 2 - 3)	Don't Walk (1 - 2 - 3)	Min Initial (1 - 2 - 3)	Veh Ext (1 - 2 - 3)	Max Limit (1 - 2 - 3)	Max 2 (1 - 2 - 3)	Yellow	Red
1	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
2	SBT	7 - 7 - 7	17 - 17 - 17	7 - 7 - 7	1 - 1 - 1	54 - 54 - 54	0 - 58 - 54	4	2.3
3	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
4	WBT	7 - 7 - 7	12 - 12 - 12	7 - 7 - 7	1 - 1 - 1	19 - 26 - 22	91 - 24 - 91	4	2
5	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
6	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 54 - 0	0 - 58 - 0	0	0
7	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
8	EBT	0 - 0 - 0	0 - 0 - 0	7 - 7 - 7	1 - 1 - 1	19 - 26 - 22	91 - 24 - 91	4	2.3

Last In Service Date: unknown

Permitted Phases

	12345678
Default	-2-4---8
External Permit 0	--------
External Permit 1	--------
External Permit 2	--------

Current TOD Schedule	Plan	Cycle	Green Time 1 -	2 SBT	3 -	4 WBT	5 -	6 -	7 -	8 EBT	Ring Offset	Offset
	1	130	0	64	0	54	0	0	0	54	0	81
	3	140	0	71	0	57	0	0	0	57	0	42
	4	150	0	86	0	52	0	0	0	52	0	69
	5	110	0	70	0	28	0	0	0	28	0	40
	7	130	0	59	0	59	0	0	0	59	0	54
	8	150	0	65	0	73	0	0	0	73	0	57
	10	120	0	52	0	56	0	0	0	56	0	48
	12	120	0	52	0	56	0	0	0	56	0	48
	13	140	0	81	0	47	0	0	0	47	0	50
	14	150	0	78	0	60	0	0	0	60	0	43
	16	150	0	71	0	67	0	0	0	67	0	61
	17	160	0	69	0	79	0	0	0	79	0	39
	18	150	0	75	0	63	0	0	0	63	0	98
	19	130	0	71	0	47	0	0	0	47	0	53
	20	110	0	70	0	28	0	0	0	28	0	24

Local TOD Schedule

Time	Plan	DOW
0000	Free	Su M T W Th F S
0600	5	M T W Th F
0630	19	M T W Th F
0700	16	M T W Th F
0745	17	M T W Th F
0800	Free	Su S
0900	3	M T W Th F
1000	14	Su S
1400	14	M T W Th F
1500	18	M T W Th F
1830	19	M T W Th F
2100	Free	M T W Th F
2200	Free	Su S

Current Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	-----3--	SuM T W ThF S
0200	TOD OUTPUTS	-------1	SuM T W ThF S
0600	TOD OUTPUTS	--------	M T W ThF
2100	TOD OUTPUTS	------2-	M T W ThF

Local Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	-----3--	SuM T W ThF S
0200	TOD OUTPUTS	-------1	SuM T W ThF S
0600	TOD OUTPUTS	--------	M T W ThF
0800	TOD OUTPUTS	------2-	Su S
1000	TOD OUTPUTS	--------	Su S
2100	TOD OUTPUTS	------2-	M T W ThF
2200	TOD OUTPUTS	------2-	Su S

*** 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

No Calendar Defined/Enabled

SIGNAL OPERATING PLAN

N

	Direction			SB		WB		EB		Ped Heads				
Timing Phases	Head No.				2	8	8 R		4	P6	P2		P4	Movements/Display/Acti
	Dwell													
	Clear to													
	Dwell													
	Clear to													
Φ2 SB HARDING AV (Recall)	Dwell				G	R	R		R	W/F	W/F		DW	2 P2 P6
	Clear to	(4+8)			Y	R	R		R	DW	DW		DW	
	Dwell													
	Clear to													
	Dwell													
	Clear to													
Φ3 96 ST (RECALL)	Dwell				R	G/G>	G>		G	DW	DW		W/F	4 8
	Clear to				R	Y	Y		Y	DW	DW		DW	
Flashing Operation					FY	FR	FR		FR					Page 1 of 1

Miami-Dade County Public Works Department

Drawn	Date	HARDING AV & 96 ST		
	2/6/06			
Checked	Date	Placed in Service	Phasing No.	Asset Number
H. HERNANDEZ	2/6/06	Date / By	8	2515

TOD Schedule Report

for 3648: Byron Av&96 St

Print Date: 3/12/2014

Print Time: 8:05 AM

Asset	Intersection	TOD Schedule	Op Mode	Plan #	Cycle	Offset	TOD Setting	Active PhaseBank	Active Maximum
3648	Byron Av&96 St	DOW-4		N/A	0	0	N/A	0	Max 0

Splits

PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8
-	WBT	-	NBT	-	EBT	-	-
0	0	0	0	0	0	0	0

Active Phase Bank: Phase Bank 1

Phase		Walk (Phase Bank 1 - 2 - 3)	Don't Walk (1 - 2 - 3)	Min Initial (1 - 2 - 3)	Veh Ext (1 - 2 - 3)	Max Limit (1 - 2 - 3)	Max 2 (1 - 2 - 3)	Yellow	Red
1	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
2	WBT	7 - 7 - 7	12 - 12 - 12	15 - 15 - 15	1 - 1 - 1	40 - 40 - 40	0 - 0 - 0	4	2.5
3	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
4	NBT	4 - 4 - 4	24 - 24 - 24	7 - 7 - 7	2.5 - 2.5 - 2.5	12 - 7 - 12	29 - 10 - 14	4	2
5	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
6	EBT	7 - 7 - 7	12 - 12 - 12	15 - 15 - 15	1 - 1 - 1	40 - 40 - 40	0 - 0 - 0	4	2.5
7	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
8	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0

Last In Service Date: unknown

Permitted Phases

	12345678
Default	-2-4-6--
External Permit 0	--------
External Permit 1	--------
External Permit 2	--------

Current TOD Schedule	Plan	Cycle	Green Time 1 -	2 WBT	3 -	4 NBT	5 -	6 EBT	7 -	8 -	Ring Offset	Offset
	1	90	0	49	0	29	0	49	0	0	0	12
	2	65	0	24	0	29	0	24	0	0	0	0
	3	90	0	49	0	29	0	49	0	0	0	12
	4	90	0	49	0	29	0	49	0	0	0	12
	5	110	0	69	0	29	0	69	0	0	0	10
	6	120	0	79	0	29	0	79	0	0	0	1
	7	90	0	49	0	29	0	49	0	0	0	1
	8	90	0	49	0	29	0	49	0	0	0	15
	9	75	0	34	0	29	0	34	0	0	0	6
	10	70	0	29	0	29	0	29	0	0	0	30
	11	70	0	29	0	29	0	29	0	0	0	0
	12	75	0	34	0	29	0	34	0	0	0	72
	13	75	0	34	0	29	0	34	0	0	0	0
	14	70	0	29	0	29	0	29	0	0	0	22
	15	75	0	34	0	29	0	34	0	0	0	2
	16	150	0	109	0	29	0	109	0	0	0	146
	17	75	0	34	0	29	0	34	0	0	0	10
	18	120	0	79	0	29	0	79	0	0	0	83
	19	120	0	79	0	29	0	79	0	0	0	71
	20	160	0	119	0	29	0	119	0	0	0	136

Local TOD Schedule

Time	Plan	DOW
0000	10	Su M T W Th F S
0030	Flash	M T W Th F
0100	Flash	Su S
0600	5	M T W Th F
0630	13	M T W Th F
0700	16	M T W Th F
0745	20	M T W Th F
0800	11	Su S
0900	14	M T W Th F
1000	14	Su S
1400	12	M T W Th F
1530	9	M T W Th F
1830	2	M T W Th F
2100	11	M T W Th F
2200	11	Su S

Current Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	--------	SuM T W ThF S

Local Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	--------	SuM T W ThF S

*** 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

No Calendar Defined/Enabled

SIGNAL OPERATING PLAN

N

	Direction	EB	WB		NB	Ped Heads				Movements/Display/Actuation
Timing Phases	Head No.	6	2		4, 4R			P6	P4	
(2+6)	Dwell	G	G		R			W/F	DW	
	Clear to 4	Y	Y		R			DW	DW	2 ←
E/WB										
96 STREET										→ 6 P6
(RECALL)										
	Dwell									
	Clear to									
4	Dwell	R	R		G			DW	W/F	P4
	Clear to (2+6)	R	R		Y			DW	DW	
NB										4 4R
BYRON AV										
(ACTUATED)										
	Dwell									
	Clear to									
	Dwell									
	Clear to									
	Dwell									
	Clear to									
Flashing Operation		FY	FY		FR					Page 1 of 1

Miami-Dade County Public Works Department

Drawn	Date	BYRON AV & 96 STREET			
William Rivera-Paz	2/25/2014				
Checked	Date	Placed in Service		Phasing No.	Asset Number
H. HERNANDEZ	2/27/14	Date	By	6	3648

Blank12

TOD Schedule Report
for 4344: 96 St@500 Blk

Print Date: 3/5/2014

Print Time: 8:26 AM

Asset	Intersection	TOD Schedule	Op Mode	Plan #	Cycle	Offset	TOD Setting	Active PhaseBank	Active Maximum
4344	96 St@500 Blk	DOW-4		N/A	0	0	N/A	0	Max 0

Splits

PH 1	PH 2	PH 3	PH 4	PH 5	PH 6	PH 7	PH 8
EBL	WBT	-	-	-	EBT	-	SBT
0	0	0	0	0	0	0	0

Active Phase Bank: Phase Bank 1

Phase		Walk (Phase Bank 1 - 2 - 3)	Don't Walk (1 - 2 - 3)	Min Initial (1 - 2 - 3)	Veh Ext (1 - 2 - 3)	Max Limit (1 - 2 - 3)	Max 2 (1 - 2 - 3)	Yellow	Red
1	EBL	0 - 0 - 0	0 - 0 - 0	5 - 5 - 5	2 - 2 - 2	12 - 10 - 5	12 - 10 - 5	3.7	0
2	WBT	0 - 0 - 0	0 - 0 - 0	15 - 15 - 15	1 - 1 - 1	40 - 40 - 40	0 - 0 - 40	4	2
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	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
6	EBT	0 - 0 - 0	0 - 0 - 0	15 - 15 - 15	1 - 1 - 1	40 - 40 - 40	0 - 0 - 40	4	2
7	-	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0 - 0 - 0	0	0
8	SBT	4 - 4 - 4	29 - 29 - 29	7 - 7 - 7	2.5 - 2.5 - 2.5	12 - 12 - 7	35 - 12 - 7	4	2

Last In Service Date: unknown

Permitted Phases

	12345678
Default	12---6-8
External Permit 0	--------
External Permit 1	-2---6-8
External Permit 2	-2---6-8

Current TOD Schedule	Plan	Cycle	Green Time 1 EBL	2 WBT	3 -	4 -	5 -	6 EBT	7 -	8 SBT	Ring Offset	Offset
	1	90	4	38	0	0	0	46	0	32	0	9
	2	65	4	13	0	0	0	21	0	32	0	64
	3	90	4	38	0	0	0	46	0	32	0	10
	4	90	4	38	0	0	0	46	0	32	0	10
	5	55	0	11	0	0	0	11	0	32	0	53
	6	120	4	68	0	0	0	76	0	32	0	117
	7	90	4	38	0	0	0	46	0	32	0	6
	8	90	4	38	0	0	0	46	0	32	0	19
	9	150	4	98	0	0	0	106	0	32	0	149
	10	70	0	26	0	0	0	26	0	32	0	31
	11	70	0	26	0	0	0	26	0	32	0	60
	12	75	4	23	0	0	0	31	0	32	0	62
	13	75	0	31	0	0	0	31	0	32	0	65
	14	70	4	18	0	0	0	26	0	32	0	15
	15	75	4	23	0	0	0	31	0	32	0	68
	16	150	0	106	0	0	0	106	0	32	0	16
	17	75	4	23	0	0	0	31	0	32	0	0
	18	120	4	68	0	0	0	76	0	32	0	78
	19	120	4	68	0	0	0	76	0	32	0	63
	20	160	0	116	0	0	0	116	0	32	0	153
	21	70	4	18	0	0	0	26	0	32	0	60

Local TOD Schedule

Time	Plan	DOW
0000	10	Su M T W Th F S
0030	Flash	M T W Th F
0100	Flash	Su S
0600	5	M T W Th F
0630	13	M T W Th F
0700	16	M T W Th F
0745	20	M T W Th F
0800	11	Su S
0900	14	M T W Th F
0900	14	Su S
1400	12	M T W Th F
1530	9	M T W Th F
1830	2	M T W Th F
2100	21	M T W Th F
2200	21	Su S

Current Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	----4---	SuM T W ThF S
0000	TOD OUTPUTS	---5----	SuM T W ThF S
0900	TOD OUTPUTS	--------	SuM T W ThF S
0900	TOD OUTPUTS	------2-	SuM T W ThF S
1030	TOD OUTPUTS	--------	SuM T W ThF S
1330	TOD OUTPUTS	------2-	SuM T W ThF S
2100	TOD OUTPUTS	------2-	SuM T W ThF S
2200	TOD OUTPUTS	---5----	SuM T W ThF S
2330	TOD OUTPUTS	----4---	SuM T W ThF S

Local Time of Day Function

Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	----4---	SuM T W ThF S
0000	TOD OUTPUTS	---5----	SuM T W ThF S
0900	TOD OUTPUTS	--------	SuM T W ThF S
0900	TOD OUTPUTS	------2-	SuM T W ThF S
1030	TOD OUTPUTS	--------	SuM T W ThF S
1330	TOD OUTPUTS	------2-	SuM T W ThF S
2100	TOD OUTPUTS	------2-	SuM T W ThF S
2200	TOD OUTPUTS	---5----	SuM T W ThF S
2330	TOD OUTPUTS	----4---	SuM T W ThF S

*** 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

No Calendar Defined/Enabled

APPENDIX K
TRAFFIC SIGNAL
WARRANT INFORMATION

Appendix K

Signal Warrant for New North Drive on Collins Avenue

A signal warrant analysis for the intersection of Bal Cross and Collins Avenue was performed with existing data collected at the locations described below:

- 9700 Block & Collins Avenue (opposite the St. Regis)
- Bal Harbour Shops (BHS) South Drive & Harding Avenue
- Approach counts on Collins Avenue North and South of Bal Cross

The volumes shown in Table K2 represent averages of Tuesday, Wednesday and Thursday. These were then adjusted with the corresponding Seasonal Factors (1.02 for the first two locations and 0.99 for the counts north and south of Bal Cross and Collins Avenue).

Additional adjustments include a reduction to the northbound approach traffic volumes. This was done to remove existing BHS driveway from the measured NB approach volumes. The reduction equalled 62 percent of the traffic exiting the BHS driveways into northbound A1A.

The evaluation in Table K1 shows that Warrant 1 is satisfied with existing traffic volumes using the new BHS North Drive on Collins Avenue .

Table K1 – Warrant 1 Evaluation

TRAFFIC SIGNAL WARRANT 1 SUMMARY

City: **Village of Bal Harbour** Engineer: **FCI/haf**
County: **Miami-Dade** Date: **May 30, 2014**

Major Street: **Collins Avenue** Lanes: **3** Critical Approach Speed: **30**
Minor Street: **New North Driveway** Lanes: **3**

Volume Level Criteria

1. Is the critical speed of major street traffic > 70 km/h (40 mph) ? ☐ Yes ■ No
2. Is the intersection in a built-up area of isolated community of <10,000 population? ☐ Yes ■ No

If Question 1 or 2 above is answered "Yes", then use "70%" volume level ☐ 70% ■ 100%

WARRANT 1 - EIGHT-HOUR VEHICULAR VOLUME

Applicable: ■ Yes ☐ No
Satisfied: ■ Yes ☐ No

Warrant 1 is satisfied if Condition A or Condition B is "100%" satisfied.
Warrant is also satisfied if both Condition A and Condition B are "80%" satisfied.

Condition A - Minimum Vehicular Volume

100% Satisfied: ☐ Yes ■ No
80% Satisfied: ■ Yes ☐ No

(volumes in veh/hr)	Minimum Requirements (80% Shown in Brackets)				Eight Highest Hours							
Approach Lanes	1		2 or more		2:00 PM - 3:00 PM	3:00 PM - 4:00 PM	4:00 PM - 5:00 PM	5:00 PM - 6:00 PM	6:00 PM - 7:00 PM	7:00 PM - 8:00 PM	8:00 PM - 9:00 PM	9:00 PM - 10:00 PM
Volume Level	100%	70%	100%	70%								
Both Approaches on Major Street	500 (400)	350	**600** (480)	420	2,015	2,355	2,799	3,020	2,710	2,196	1,615	1,408
Highest Approach on Minor Street	150 (120)	105	**200** (160)	140	188	199	194	228	237	190	212	268

Record 8 highest hours and the corresponding volumes in boxes provided. Condition is 100% satisfied if the minimum volumes are met for eight hours . Condition is 80% satisfied if parenthetical volumes are met for eight hours.

Condition B - Interruption of Continuous Traffic

Condition B is intended for application where the traffic volume is so heavy that traffic on the minor street suffers excessive delay.

Applicable: ■ Yes ☐ No
100% Satisfied: ■ Yes ☐ No
80% Satisfied: ■ Yes ☐ No

(volumes in veh/hr)	Minimum Requirements (80% Shown in Brackets)				Eight Highest Hours							
Approach Lanes	1		2 or more		1:00 PM - 2:00 PM	2:00 PM - 3:00 PM	3:00 PM - 4:00 PM	4:00 PM - 5:00 PM	5:00 PM - 6:00 PM	6:00 PM - 7:00 PM	7:00 PM - 8:00 PM	9:00 PM - 10:00 PM
Volume Level	100%	70%	100%	70%								
Both Approaches on Major Street	750 (600)	525	**900** (720)	630	2,015	2,355	2,799	3,020	2,710	2,196	1,615	1,408
Highest Approach on Minor Street	75 (60)	53	**100** (80)	70	188	199	194	228	237	190	212	268

Record 8 highest hours and the corresponding volumes in boxes provided. Condition is 100% satisfied if the minimum volumes are met for eight hours . Condition is 80% satisfied if parenthetical volumes are met for eight hours.

Source: Revised from NCHRP Report 457

Warrant 1 is satisfied as Condition 1B is 100% satisfied and Condition 1A is 80% satisfied.

Table K2 – Existing Traffic Counts

		Highest Approach on Minor Street				Both Approaches on Major Street					
		BHS S Drive	9700 Block	Total		Collin Ave S of Bal Cross	62% of BHS Exiting Traffic	Adjusted Collins Ave S of Bal Cross	Collin Ave N of Bal Cross	Total	
		EB	EB	15 min	Hourly	NB		NB	SB	15 min	Hourly
12:00 AM	12:15 AM	0	24	24		119	15	104	48	152	
12:15 AM	12:30 AM	0	9	9		91	6	85	30	115	
12:30 AM	12:45 AM	0	9	9		84	6	78	35	113	
12:45 AM	1:00 AM	0	7	7	49	74	4	70	24	94	474
1:00 AM	1:15 AM	0	3	3		52	2	50	24	74	
1:15 AM	1:30 AM	0	1	1		47	1	46	20	66	
1:30 AM	1:45 AM	0	1	1		37	1	36	18	54	
1:45 AM	2:00 AM	0	1	1	6	33	1	32	8	40	234
2:00 AM	2:15 AM	0	1	1		27	1	26	14	40	
2:15 AM	2:30 AM	0	0	0		23	0	23	9	32	
2:30 AM	2:45 AM	0	2	2		26	1	25	10	35	
2:45 AM	3:00 AM	0	1	1	4	26	1	25	9	34	141
3:00 AM	3:15 AM	0	1	1		15	1	14	8	22	
3:15 AM	3:30 AM	0	1	1		20	1	19	8	27	
3:30 AM	3:45 AM	0	1	1		16	1	15	7	22	
3:45 AM	4:00 AM	0	1	1	4	19	1	18	9	27	98
4:00 AM	4:15 AM	0	0	0		13	0	13	10	23	
4:15 AM	4:30 AM	0	2	2		16	1	15	13	28	
4:30 AM	4:45 AM	0	1	1		23	1	22	16	38	
4:45 AM	5:00 AM	0	0	0	3	19	0	19	23	42	131
5:00 AM	5:15 AM	0	2	2		21	1	20	28	48	
5:15 AM	5:30 AM	0	0	0		35	0	35	33	68	
5:30 AM	5:45 AM	0	2	2		35	1	34	41	75	
5:45 AM	6:00 AM	0	2	2	6	50	1	49	48	97	288
6:00 AM	6:15 AM	0	2	2		52	1	51	65	116	
6:15 AM	6:30 AM	0	1	1		84	1	83	100	183	
6:30 AM	6:45 AM	0	1	1		107	1	106	148	254	
6:45 AM	7:00 AM	0	1	1	5	121	1	120	187	307	860
7:00 AM	7:15 AM	0	2	2		158	1	157	203	360	
7:15 AM	7:30 AM	0	3	3		173	2	171	253	424	
7:30 AM	7:45 AM	0	1	1		237	1	236	319	555	
7:45 AM	8:00 AM	0	3	3	9	223	2	221	315	536	1875
8:00 AM	8:15 AM	1	5	6		259	4	255	350	605	
8:15 AM	8:30 AM	1	2	3		292	2	290	323	613	
8:30 AM	8:45 AM	0	4	4		349	2	347	305	652	
8:45 AM	9:00 AM	1	4	5	18	314	3	311	337	648	2518
9:00 AM	9:15 AM	2	6	8		324	5	319	296	615	
9:15 AM	9:30 AM	0	2	2		291	1	290	283	573	
9:30 AM	9:45 AM	2	9	11		311	7	304	266	570	
9:45 AM	10:00 AM	4	4	8	29	298	5	293	248	541	2299
10:00 AM	10:15 AM	7	7	14		261	9	252	229	481	
10:15 AM	10:30 AM	6	8	14		268	9	259	213	472	
10:30 AM	10:45 AM	5	12	17		305	11	294	233	527	
10:45 AM	11:00 AM	6	11	17	62	316	11	305	227	532	2012
11:00 AM	11:15 AM	9	10	19		275	12	263	229	492	
11:15 AM	11:30 AM	8	12	20		297	12	285	239	524	
11:30 AM	11:45 AM	9	13	22		302	14	288	260	548	
11:45 AM	12:00 PM	13	16	29	90	312	18	294	249	543	2107

		Highest Approach on Minor Street				Both Approaches on Major Street					
		BHS S Drive	9700 Block	Total		Collin Ave S of Bal Cross	62% of BHS Exiting Traffic	Adjusted Collins Ave S of Bal Cross	Collin Ave N of Bal Cross	Total	
		EB	EB	15 min	Hourly	NB		NB	SB	15 min	Hourly
12:00 PM	12:15 PM	11	15	26		318	16	302	247	549	
12:15 PM	12:30 PM	10	19	29		307	18	289	248	537	
12:30 PM	12:45 PM	9	14	23		334	14	320	237	557	
12:45 PM	1:00 PM	14	17	31	109	303	19	284	269	553	2196
1:00 PM	1:15 PM	14	18	32		327	20	307	246	553	
1:15 PM	1:30 PM	12	23	35		306	22	284	230	514	
1:30 PM	1:45 PM	12	23	35		330	22	308	256	564	
1:45 PM	2:00 PM	14	21	35	137	312	22	290	219	509	2140
2:00 PM	2:15 PM	17	27	44		311	27	284	229	513	
2:15 PM	2:30 PM	14	26	40		337	25	312	187	499	
2:30 PM	2:45 PM	19	26	45		373	28	345	170	515	
2:45 PM	3:00 PM	21	38	59	188	371	37	334	154	488	2015
3:00 PM	3:15 PM	16	34	50		359	31	328	156	484	
3:15 PM	3:30 PM	12	33	45		389	28	361	190	551	
3:30 PM	3:45 PM	17	35	52		428	32	396	268	664	
3:45 PM	4:00 PM	17	35	52	199	422	32	390	266	656	2355
4:00 PM	4:15 PM	20	33	53		419	33	386	300	686	
4:15 PM	4:30 PM	15	36	51		463	32	431	248	679	
4:30 PM	4:45 PM	16	31	47		460	29	431	277	708	
4:45 PM	5:00 PM	16	27	43	194	479	27	452	274	726	2799
5:00 PM	5:15 PM	18	37	55		497	34	463	284	747	
5:15 PM	5:30 PM	15	37	52		517	32	485	276	761	
5:30 PM	5:45 PM	19	44	63		504	39	465	304	769	
5:45 PM	6:00 PM	19	39	58	228	494	36	458	285	743	3020
6:00 PM	6:15 PM	13	50	63		457	39	418	274	692	
6:15 PM	6:30 PM	16	45	61		470	38	432	265	697	
6:30 PM	6:45 PM	18	36	54		430	33	397	267	664	
6:45 PM	7:00 PM	19	40	59	237	442	37	405	252	657	2710
7:00 PM	7:15 PM	17	31	48		410	30	380	236	616	
7:15 PM	7:30 PM	16	36	52		393	32	361	248	609	
7:30 PM	7:45 PM	14	29	43		314	27	287	213	500	
7:45 PM	8:00 PM	14	33	47	190	287	29	258	213	471	2196
8:00 PM	8:15 PM	16	40	56		276	35	241	189	430	
8:15 PM	8:30 PM	18	38	56		268	35	233	194	427	
8:30 PM	8:45 PM	15	34	49		248	30	218	167	385	
8:45 PM	9:00 PM	17	34	51	212	227	32	195	178	373	1615
9:00 PM	9:15 PM	20	63	83		257	51	206	162	368	
9:15 PM	9:30 PM	15	70	85		293	53	240	151	391	
9:30 PM	9:45 PM	14	42	56		222	35	187	145	332	
9:45 PM	10:00 PM	17	27	44	268	202	27	175	142	317	1408
10:00 PM	10:15 PM	23	28	51		201	32	169	137	306	
10:15 PM	10:30 PM	18	32	50		204	31	173	122	295	
10:30 PM	10:45 PM	17	30	47		212	29	183	119	302	
10:45 PM	11:00 PM	13	28	41	189	199	25	174	104	278	1181
11:00 PM	11:15 PM	16	24	40		180	25	155	104	259	
11:15 PM	11:30 PM	13	27	40		166	25	141	87	228	
11:30 PM	11:45 PM	13	22	35		170	22	148	75	223	
11:45 PM	12:00 AM	9	17	26	141	157	16	141	59	200	910

[from a Traffic Signal Warrant Analysis developed for BHS in 2012]

EXISTING CONDITIONS

There is a pedestrian signal on Collins and Harding between 96th Street and the BHS/St. Regis Signal. The mid-block pedestrian crossing signal was originally constructed to service the Sheraton Hotel formerly on the site of the new St. Regis Hotel. This pedestrian signal interferes with traffic signal progression on northbound Collins Avenue and southbound Harding. Furthermore, the signal no longer meets warrants for traffic signalization.

TRAFFIC SIGNAL WARRANT REQUIREMENTS

The *Manual on Uniform Traffic Control Devices (MUTCD) 2009* sets forth the basic principles governing the use and design of traffic control devices. Traffic control signals are among these devices. Signals should not be installed unless one or more of the signal warrants in the MUTCD 2009 are met.

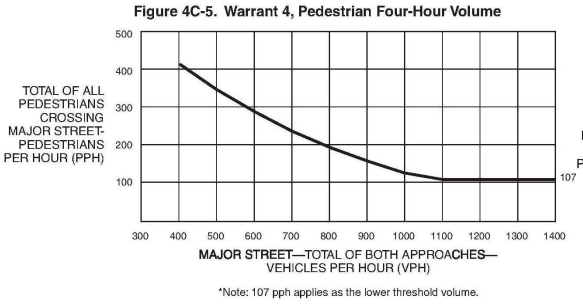
Traffic signal Warrant 4 is for pedestrian signals such as the crossing, north of 96th Street. That warrant is met when either of these two conditions is met:

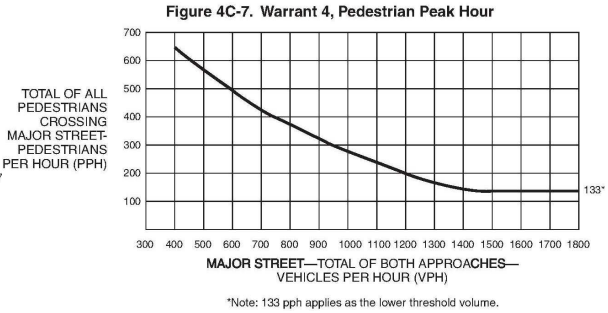
> *A. For each of any 4 hours of an average day, the plotted points representing the vehicles per hour on the major street (total of both approaches) and the corresponding pedestrians per hour crossing the major street (total of all crossings) all fall above the curve in Figure 4C-5; or*
>
> *B. For 1 hour (any four consecutive I5-minute periods) of an average day, the plotted point representing the vehicles per hour on the major street (total of both approaches) and the corresponding pedestrians per hour crossing the major street (total of all crossings) falls above the curve in Figure 4C-7.* (MUTCD 2009, Section 4C.05, p. 442)

The charts referenced in A and B above are shown in Figure 4.

Figure 4

PEDESTRIAN SIGNAL WARRANT CHARTS





PEDESTRIAN VOLUMES AT THE CROSSING NORTH OF 96th STREET

A count of pedestrians using each of the crosswalks associated with this signal was collected on Thursday February 23rd, 2012. The counts can be found in Appendix B. In reviewing the count, it is noted that there is no consistent balance between the east and west sides of the crossing.

In general, the East crosswalk has much higher pedestrian volumes than the western crosswalk. Many people were observed taking a shortcut from the Harding & 96th Street intersection and walking on the edge of, or through the bank property before crossing at the East crosswalk.

Nevertheless, the pedestrian volumes using the East crosswalk represented the 4 highest hours of pedestrian activity. These volumes were used for the Warrant 4 analyses found in the following section.

SIGNAL WARRANT COMPARISONS

Pedestrian and vehicle volumes at the existing pedestrian signal north of 96th Street were compared to both Warrant 4 criteria. The results show that the signal does not meet either of the criteria. Furthermore the crossing's close proximity to intersection signals to the north and south of the crossing with pedestrian features both make a pedestrian signal at this location difficult to justify given the disruption to traffic created by the operation of the signal.

Warrant summaries for the Bal Cross Signal and the Mid-Block Pedestrian Signal can be found on the following pages.

TRAFFIC SIGNAL WARRANT 4A SUMMARY

City: **Bal Harbour Village** Engineer: **FCI/haf**
County: **Miami-Dade** Date: **February 29, 2012**

Major Street: **Collins Ave** Lanes: **3** Critical Approach Speed: **30**
Minor Street: **Pedestrian Crossing** Lanes: **n/a**

Volume Level Criteria

1. Is the critical speed of major street traffic > 35 mph ? ☐ Yes ■ No
2. Is the intersection in a built-up area of isolated community of <10,000 population? ☐ Yes ■ No

If Question 1 or 2 above is answered "Yes", then use "70%" volume level ☐ 70% ■ 100%

WARRANT 4 - PEDESTRIAN VOLUME

Warrant 4 is satisfied if Condition A or Condition B is "100%" satisfied.

Applicable: ☐ Yes ☐ No
Satisfied: ☐ Yes ☐ No

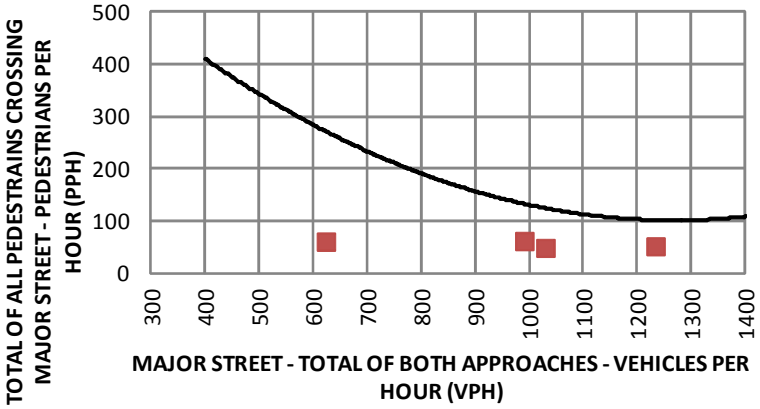
Condition A - Pedestrian Four-Hour Volume

Four Highest Hours	Volumes	
	Major Street PPH	Major Street VPH
6:30 AM - 7:30 AM	61	624
11:45 AM - 12:45 PM	49	1,030
12:45 PM - 1:45 PM	62	991
4:45 PM - 5:45 PM	52	1,234

PPH: PEDESTRIANS PER HOUR
VPH: VEHICLES PER HOUR

Plot four volume combinations on the applicable figure below.

FIGURE 4C-5: Criteria for 100% Volume



*Note: 107 pph applies as the lower threshold volume.

TRAFFIC SIGNAL WARRANT 4B SUMMARY

City:	**Bal Harbour Village**	Engineer:	**FCI/haf**
County:	**Miami-Dade**	Date:	**February 29, 2012**

Major Street:	**Collins Avenue**	Lanes:	**3**	Critical Approach Speed:	**30**
Minor Street:	**Pedestrian Crossing**	Lanes:	**n/a**		

Volume Level Criteria

1. Is the critical speed of major street traffic > 35 mph ? ☐ Yes ■ No
2. Is the intersection in a built-up area of isolated community of <10,000 population? ☐ Yes ■ No

If Question 1 or 2 above is answered "Yes", then use "70%" volume level ☐ 70% ■ 100%

WARRANT 4 - PEDESTRIAN VOLUME

Warrant 4 is satisfied if Condition A or Condition B is "100%" satisfied.

Applicable: ☐ Yes ☐ No
Satisfied: ☐ Yes ☐ No

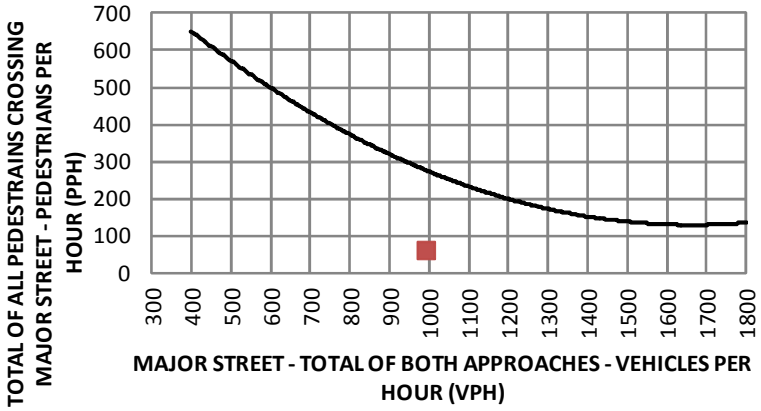
Condition B - Pedestrian Peak Volume

Highest Hour	Volumes	
	Major Street PPH	Major Street VPH
12:45 PM - 1:45 PM	62	991

PPH: PEDESTRIANS PER HOUR
VPH: VEHICLES PER HOUR

Plot one volume combinations on the applicable figure below.

FIGURE 4C-7: Criteria for 100% Volume



*Note: 133 pph applies as the lower threshold volume.

The analyses of conditions at the existing pedestrian crossing signal on Collins and Harding Avenues, north of 96th Street show that the signal is no longer warranted.

File Name: C:\1-Data\2012\2012-03 Bal Harbour Shpes\Bal Harbour Peds.ppd
Project: **Collins/Harding Ave's - Pedestrian Crossing N/o 96 St**
Start Date: 2/23/2012
Start Time: 6:30:00 AM

	Harding Ave SOUTH BOUND					Collins Ave NORTH BOUND				
Start Time	Thru	*Hour*	Left	Peds	Hour	Thru	*Hour*	Hour	Peds	Hour
06:30	191		0	4		115		0	15	
06:45	255		0	3		153		0	24	
07:00	239		0	3		166		0	9	
07:15	313	*998*	0	6	**16**	190	*624*	0	13	**61**
07:30	320	*1127*	0	9	**21**	213	*722*	0	14	**60**
07:45	340	*1212*	0	2	**20**	198	*767*	0	8	**44**
08:00	372	*1345*	0	3	**20**	215	*816*	0	9	**44**
08:15	364	*1396*	0	4	**18**	266	*892*	0	7	**38**
08:30	380	*1456*	0	7	**16**	277	*956*	0	14	**38**
08:45	379	*1495*	0	4	**18**	229	*987*	0	11	**41**
09:00	0	*1123*	0	0	**15**	0	*772*	0	0	**32**
09:15	0	*759*	0	0	**11**	0	*506*	0	0	**25**
09:30	0	*379*	0	0	**4**	0	*229*	0	0	**11**
09:45	0	*0*	0	0	**0**	0	*0*	0	0	**0**
10:00	0	*0*	0	0	**0**	0	*0*	0	0	**0**
10:15	0	*0*	0	0	**0**	0	*0*	0	0	**0**
10:30	0	*0*	0	0	**0**	0	*0*	0	0	**0**
10:45	0	*0*	0	0	**0**	0	*0*	0	0	**0**
11:00	0	*0*	0	0	**0**	0	*0*	0	0	**0**
11:15	0	*0*	0	0	**0**	0	*0*	0	0	**0**
11:30	192	*192*	0	3	**3**	320	*320*	0	4	**4**
11:45	170	*362*	0	8	**11**	286	*606*	0	19	**23**
12:00	191	*553*	0	1	**12**	279	*885*	0	13	**36**
12:15	210	*763*	0	11	**23**	241	*1126*	0	9	**45**
12:30	163	*734*	0	5	**25**	224	*1030*	0	8	**49**
12:45	240	*804*	0	3	**20**	246	*990*	0	17	**47**
13:00	243	*856*	0	10	**29**	238	*949*	0	16	**50**
13:15	243	*889*	0	12	**30**	242	*950*	0	17	**58**
13:30	273	*999*	0	5	**30**	265	*991*	0	12	**62**
13:45	268	*1027*	0	2	**29**	246	*991*	0	7	**52**
14:00	209	*993*	0	5	**24**	305	*1058*	0	12	**48**
14:15	270	*1020*	0	1	**13**	279	*1095*	0	1	**32**
14:30	274	*1021*	0	6	**14**	290	*1120*	0	5	**25**
14:45	255	*1008*	0	11	**23**	268	*1142*	0	6	**24**
15:00	274	*1073*	0	4	**22**	302	*1139*	0	3	**15**
15:15	237	*1040*	0	10	**31**	283	*1143*	0	11	**25**
15:30	208	*974*	0	2	**27**	297	*1150*	0	1	**21**
15:45	235	*954*	0	6	**22**	295	*1177*	0	19	**34**
16:00	207	*887*	0	9	**27**	293	*1168*	0	12	**43**
16:15	266	*916*	0	0	**17**	338	*1223*	0	10	**42**
16:30	245	*953*	0	2	**17**	315	*1241*	0	5	**46**
16:45	247	*965*	0	3	**14**	293	*1239*	0	10	**37**
17:00	237	*995*	0	7	**12**	317	*1263*	0	21	**46**
17:15	310	*1039*	0	5	**17**	315	*1240*	0	12	**48**
17:30	309	*1103*	0	3	**18**	309	*1234*	0	9	**52**
17:45	261	*1117*	0	9	**24**	350	*1291*	0	8	**50**
18:00	258	*1138*	0	2	**19**	343	*1317*	0	4	**33**
18:15	235	*1063*	0	4	**18**	281	*1283*	0	4	**25**

Video Data Solutions, Inc.

CLIENT: FANDREI CONSULTING, INC.
JOB NO: 2012-03
PROJECT: Bal Harbour - Pedestrian
COUNTY: MIAMI DADE

File Name : Bal Harbour Peds
Site Code : 00000000
Start Date : 2/23/2012
Page No : 1

Groups Printed- Autos

	Harding Ave SOUTH BOUND					WEST BOUND	Collins Ave NORTH BOUND					EAST BOUND	
Start Time	Right	Thru	Left	Peds	App. Total	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
06:30	0	191	0	4	195	0	0	115	0	15	130	0	325
06:45	0	255	0	3	258	0	0	153	0	24	177	0	435
Total	0	446	0	7	453	0	0	268	0	39	307	0	760
07:00	0	239	0	3	242	0	0	166	0	9	175	0	417
07:15	0	313	0	6	319	0	0	190	0	13	203	0	522
07:30	0	320	0	9	329	0	0	213	0	14	227	0	556
07:45	0	340	0	2	342	0	0	198	0	8	206	0	548
Total	0	1212	0	20	1232	0	0	767	0	44	811	0	2043
08:00	0	372	0	3	375	0	0	215	0	9	224	0	599
08:15	0	364	0	4	368	0	0	266	0	7	273	0	641
08:30	0	380	0	7	387	0	0	277	0	14	291	0	678
08:45	0	379	0	4	383	0	0	229	0	11	240	0	623
Total	0	1495	0	18	1513	0	0	987	0	41	1028	0	2541
*** BREAK ***													
11:30	0	192	0	3	195	0	0	320	0	4	324	0	519
11:45	0	170	0	8	178	0	0	286	0	19	305	0	483
Total	0	362	0	11	373	0	0	606	0	23	629	0	1002
12:00	0	191	0	1	192	0	0	279	0	13	292	0	484
12:15	0	210	0	11	221	0	0	241	0	9	250	0	471
12:30	0	163	0	5	168	0	0	224	0	8	232	0	400
12:45	0	240	0	3	243	0	0	246	0	17	263	0	506
Total	0	804	0	20	824	0	0	990	0	47	1037	0	1861
13:00	0	243	0	10	253	0	0	238	0	16	254	0	507
13:15	0	243	0	12	255	0	0	242	0	17	259	0	514
13:30	0	273	0	5	278	0	0	265	0	12	277	0	555
13:45	0	268	0	2	270	0	0	246	0	7	253	0	523
Total	0	1027	0	29	1056	0	0	991	0	52	1043	0	2099
14:00	0	209	0	5	214	0	0	305	0	12	317	0	531
14:15	0	270	0	1	271	0	0	279	0	1	280	0	551
14:30	0	274	0	6	280	0	0	290	0	5	295	0	575
14:45	0	255	0	11	266	0	0	268	0	6	274	0	540
Total	0	1008	0	23	1031	0	0	1142	0	24	1166	0	2197
15:00	0	274	0	4	278	0	0	302	0	3	305	0	583
15:15	0	237	0	10	247	0	0	283	0	11	294	0	541
15:30	0	208	0	2	210	0	0	297	0	1	298	0	508
15:45	0	235	0	6	241	0	0	295	0	19	314	0	555
Total	0	954	0	22	976	0	0	1177	0	34	1211	0	2187
16:00	0	207	0	9	216	0	0	293	0	12	305	0	521
16:15	0	266	0	0	266	0	0	338	0	10	348	0	614
16:30	0	245	0	2	247	0	0	315	0	5	320	0	567
16:45	0	247	0	3	250	0	0	293	0	10	303	0	553
Total	0	965	0	14	979	0	0	1239	0	37	1276	0	2255
17:00	0	237	0	7	244	0	0	317	0	21	338	0	582
17:15	0	310	0	5	315	0	0	315	0	12	327	0	642
17:30	0	309	0	3	312	0	0	309	0	9	318	0	630
17:45	0	261	0	9	270	0	0	350	0	8	358	0	628
Total	0	1117	0	24	1141	0	0	1291	0	50	1341	0	2482
18:00	0	258	0	2	260	0	0	343	0	4	347	0	607
18:15	0	235	0	4	239	0	0	281	0	4	285	0	524
Grand Total	0	9883	0	194	10077	0	0	10082	0	399	10481	0	20558
Apprch %	0	98.1	0	1.9			0	96.2	0	3.8			
Total %	0	48.1	0	0.9	49	0	0	49	0	1.9	51	0	

APPENDIX L
INTERSECTION CAPACITY ANALYSES

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	140	8	0	38	1	5	46	2070	51	19	1586	142
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	190.0	190.0	0.0	190.0	190.0	190.0	190.0	188.2	190.0	190.0	188.3	190.0
Adj Flow Rate, veh/h	157	0	0	42	0	5	49	2226	54	20	1669	149
Adj No. of Lanes	3	1	0	2	0	1	1	3	0	1	3	0
Peak Hour Factor	0.93	0.93	0.95	0.93	0.93	0.93	0.93	0.93	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0	0	0	0	0	1	1	0	1	1
Cap, veh/h	400	140	0	135	0	60	245	3313	80	148	3059	273
Arrive On Green	0.07	0.00	0.00	0.04	0.00	0.04	0.04	0.64	0.64	0.01	0.64	0.63
Sat Flow, veh/h	5429	1900	0	3619	0	1615	1810	5159	125	1810	4805	428
Grp Volume(v), veh/h	157	0	0	42	0	5	49	1476	804	20	1189	629
Grp Sat Flow(s),veh/h/ln	1810	1900	0	1810	0	1615	1810	1712	1860	1810	1713	1807
Q Serve(g_s), s	3.0	0.0	0.0	1.2	0.0	0.3	1.0	29.2	29.3	0.4	20.8	20.9
Cycle Q Clear(g_c), s	3.0	0.0	0.0	1.2	0.0	0.3	1.0	29.2	29.3	0.4	20.8	20.9
Prop In Lane	1.00		0.00	1.00		1.00	1.00		0.07	1.00		0.24
Lane Grp Cap(c), veh/h	400	140	0	135	0	60	245	2199	1194	148	2181	1150
V/C Ratio(X)	0.39	0.00	0.00	0.31	0.00	0.08	0.20	0.67	0.67	0.14	0.55	0.55
Avail Cap(c_a), veh/h	1725	604	0	612	0	273	277	2199	1194	207	2181	1150
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	47.5	0.0	0.0	50.4	0.0	50.0	8.8	12.1	12.1	11.5	10.9	11.0
Incr Delay (d2), s/veh	0.5	0.0	0.0	1.0	0.0	0.4	0.1	1.7	3.0	0.2	1.0	1.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	0.0	0.0	0.6	0.0	0.2	0.5	14.2	16.0	0.2	10.0	10.9
LnGrp Delay(d),s/veh	48.0	0.0	0.0	51.4	0.0	50.4	8.9	13.8	15.2	11.7	11.9	12.8
LnGrp LOS	D			D		D	A	B	B	B	B	B
Approach Vol, veh/h		157			47			2329			1838	
Approach Delay, s/veh		48.0			51.3			14.1			12.2	
Approach LOS		D			D			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.4	118.0		9.8	10.0	116.4		13.7
Change Period (Y+Rc), s	* 6.1999998	6.5	* 6.8000002		* 6.1999998	6.5		6.8
Max Green Setting (Gmax), s	* 5.8000002	67.5	* 17.200000		* 5.8000002	67.5		33.2
Max Q Clear Time (g_c+I1), s	2.4	31.3		3.2	3.0	22.9		5.0
Green Ext Time (p_c), s	0.0	22.0		0.1	0.0	24.6		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	14.9
HCM 2010 LOS	B

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	373	5	0	0	9	8	427	1801	10	0	0	0
Number	7	4	14	3	8	18	5	2	12			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	188.1	188.2	0.0	0.0	190.0	190.0	188.1	188.1	190.0			
Adj Flow Rate, veh/h	393	0	0	0	9	8	445	1876	10			
Adj No. of Lanes	2	1	0	0	1	0	1	3	0			
Peak Hour Factor	0.96	0.96	0.96	0.95	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	1	0	0	0	0	0	1	1	1			
Cap, veh/h	1626	854	0	0	30	27	691	2032	11			
Arrive On Green	0.45	0.00	0.00	0.00	0.03	0.02	0.39	0.39	0.38			
Sat Flow, veh/h	3583	1882	0	0	929	826	1792	5272	28			
Grp Volume(v), veh/h	393	0	0	0	0	17	445	1218	668			
Grp Sat Flow(s),veh/h/ln	1792	1882	0	0	0	1754	1792	1712	1876			
Q Serve(g_s), s	8.6	0.0	0.0	0.0	0.0	1.2	25.9	43.2	43.2			
Cycle Q Clear(g_c), s	8.6	0.0	0.0	0.0	0.0	1.2	25.9	43.2	43.2			
Prop In Lane	1.00		0.00	0.00		0.47	1.00		0.01			
Lane Grp Cap(c), veh/h	1626	854	0	0	0	57	691	1320	723			
V/C Ratio(X)	0.24	0.00	0.00	0.00	0.00	0.30	0.64	0.92	0.92			
Avail Cap(c_a), veh/h	1626	854	0	0	0	135	691	1320	723			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.38	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00			
Uniform Delay (d), s/veh	21.3	0.0	0.0	0.0	0.0	60.4	32.0	37.3	37.3			
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.0	0.0	2.1	4.6	12.1	19.2			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	4.3	0.0	0.0	0.0	0.0	0.6	13.6	22.5	26.3			
LnGrp Delay(d),s/veh	21.5	0.0	0.0	0.0	0.0	62.5	36.6	49.4	56.6			
LnGrp LOS	C					E	D	D	E			
Approach Vol, veh/h		393			17			2331				
Approach Delay, s/veh		21.5			62.5			49.0				
Approach LOS		C			E			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		77.6		63.0				9.4
Change Period (Y+Rc), s		6.9		* 6.1999998				6.2
Max Green Setting (Gmax), s		48.1		* 56.799999				8.8
Max Q Clear Time (g_c+I1), s		45.2		10.6				3.2
Green Ext Time (p_c), s		2.0		1.5				0.0

Intersection Summary	
HCM 2010 Ctrl Delay	45.2
HCM 2010 LOS	D

Notes

User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	385	466	0	440	0	0	0	0	22	1417	289
Number	7	4	14	3	8	18				1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0.0	188.1	188.1	0.0	188.1	0.0				190.0	188.1	188.1
Adj Flow Rate, veh/h	0	474	453	0	468	0				23	1507	307
Adj No. of Lanes	0	1	1	0	2	0				0	3	1
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94				0.94	0.94	0.94
Percent Heavy Veh, %	0	1	1	0	1	0				1	1	1
Cap, veh/h	0	570	484	0	1083	0				46	3195	978
Arrive On Green	0.00	0.51	0.51	0.00	0.30	0.00				0.20	0.20	0.20
Sat Flow, veh/h	0	1881	1599	0	3762	0				75	5226	1599
Grp Volume(v), veh/h	0	474	453	0	468	0				575	955	307
Grp Sat Flow(s),veh/h/ln	0	1881	1599	0	1787	0				1877	1712	1599
Q Serve(g_s), s	0.0	26.6	32.9	0.0	13.0	0.0				33.7	30.3	20.3
Cycle Q Clear(g_c), s	0.0	26.6	32.9	0.0	13.0	0.0				33.7	30.3	20.3
Prop In Lane	0.00		1.00	0.00		0.00				0.04		1.00
Lane Grp Cap(c), veh/h	0	570	484	0	1083	0				1148	2093	978
V/C Ratio(X)	0.00	0.83	0.94	0.00	0.43	0.00				0.50	0.46	0.31
Avail Cap(c_a), veh/h	0	968	823	0	1839	0				1148	2093	978
HCM Platoon Ratio	1.00	1.67	1.67	1.00	1.00	1.00				0.33	0.33	0.33
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.86	0.00				0.95	0.95	0.95
Uniform Delay (d), s/veh	0.0	27.9	29.4	0.0	34.6	0.0				32.6	31.3	27.3
Incr Delay (d2), s/veh	0.0	1.2	7.4	0.0	0.1	0.0				1.5	0.7	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	13.9	15.4	0.0	6.4	0.0				18.0	14.6	9.2
LnGrp Delay(d),s/veh	0.0	29.1	36.8	0.0	34.7	0.0				34.1	32.0	28.1
LnGrp LOS		C	D		C					C	C	C
Approach Vol, veh/h		927			468						1837	
Approach Delay, s/veh		32.9			34.7						32.0	
Approach LOS		C			C						C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				42.8		81.0		42.8
Change Period (Y+Rc), s				* 6.3000002		6.3		* 6.3000002
Max Green Setting (Gmax), s				* 62.700001		74.7		* 62.700001
Max Q Clear Time (g_c+I1), s				34.9		35.7		15.0
Green Ext Time (p_c), s				1.6		0.0		1.6

Intersection Summary	
HCM 2010 Ctrl Delay	32.7
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	1037	0	0	729	366	51
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	188.1	0.0	0.0	188.1	188.1	190.0
Adj Flow Rate, veh/h	1080	0	0	759	381	53
Adj No. of Lanes	2	0	0	2	2	1
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	1	0	0	1	1	0
Cap, veh/h	2206	0	0	2206	553	257
Arrive On Green	1.00	0.00	0.00	1.00	0.16	0.16
Sat Flow, veh/h	3762	0	0	3762	3476	1615
Grp Volume(v), veh/h	1080	0	0	759	381	53
Grp Sat Flow(s),veh/h/ln	1787	0	0	1787	1738	1615
Q Serve(g_s), s	0.0	0.0	0.0	0.0	5.8	1.6
Cycle Q Clear(g_c), s	0.0	0.0	0.0	0.0	5.8	1.6
Prop In Lane		0.00	0.00		1.00	1.00
Lane Grp Cap(c), veh/h	2206	0	0	2206	553	257
V/C Ratio(X)	0.49	0.00	0.00	0.34	0.69	0.21
Avail Cap(c_a), veh/h	2206	0	0	2206	1741	809
HCM Platoon Ratio	2.00	1.00	1.00	2.00	1.00	1.00
Upstream Filter(I)	0.95	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	0.0	22.2	20.4
Incr Delay (d2), s/veh	0.7	0.0	0.0	0.4	1.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.0	0.1	2.8	0.7
LnGrp Delay(d),s/veh	0.7	0.0	0.0	0.4	23.3	20.7
LnGrp LOS	A			A	C	C
Approach Vol, veh/h	1080			759	434	
Approach Delay, s/veh	0.7			0.4	23.0	
Approach LOS	A			A	C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2				6		8
Phs Duration (G+Y+Rc), s		60.1				60.1		14.9
Change Period (Y+Rc), s		6.5				6.5		6.0
Max Green Setting (Gmax), s		34.5				34.5		28.0
Max Q Clear Time (g_c+I1), s		2.0				2.0		7.8
Green Ext Time (p_c), s		1.7				1.7		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	4.9
HCM 2010 LOS	A

Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Volume (veh/h)	6	58	857	26	1027	41	100	66
Number		5	2		6	16	7	14
Initial Q (Qb), veh		0	0		0	0	0	0
Ped-Bike Adj(A_pbT)		1.00				1.00	1.00	1.00
Parking Bus, Adj		1.00	1.00		1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln		189.8	188.1		188.2	190.0	190.0	190.0
Adj Flow Rate, veh/h		62	912		1093	44	117	59
Adj No. of Lanes		1	2		2	0	2	1
Peak Hour Factor		0.94	0.94		0.94	0.94	0.94	0.94
Percent Heavy Veh, %		0	1		1	1	0	0
Cap, veh/h		507	3037		2774	112	196	87
Arrive On Green		0.03	0.85		1.00	1.00	0.05	0.05
Sat Flow, veh/h		1808	3668		3598	141	3619	1615
Grp Volume(v), veh/h		62	912		558	579	117	59
Grp Sat Flow(s),veh/h/ln		1808	1787		1788	1857	1810	1615
Q Serve(g_s), s		0.7	6.4		0.0	0.0	3.9	4.5
Cycle Q Clear(g_c), s		0.7	6.4		0.0	0.0	3.9	4.5
Prop In Lane		1.00				0.08	1.00	1.00
Lane Grp Cap(c), veh/h		507	3037		1415	1470	196	87
V/C Ratio(X)		0.12	0.30		0.39	0.39	0.60	0.68
Avail Cap(c_a), veh/h		518	3037		1415	1470	928	414
HCM Platoon Ratio		1.00	1.00		2.00	2.00	1.00	1.00
Upstream Filter(I)		1.00	1.00		0.90	0.90	1.00	1.00
Uniform Delay (d), s/veh		1.8	1.9		0.0	0.0	57.7	57.9
Incr Delay (d2), s/veh		0.0	0.3		0.7	0.7	1.1	3.4
Initial Q Delay(d3),s/veh		0.0	0.0		0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln		0.4	3.1		0.3	0.3	2.0	4.0
LnGrp Delay(d),s/veh		1.8	2.1		0.7	0.7	58.8	61.3
LnGrp LOS		A	A		A	A	E	E
Approach Vol, veh/h			974		1137		176	
Approach Delay, s/veh			2.1		0.7		59.6	
Approach LOS			A		A		E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		137.2		12.8	7.2	130.0		
Change Period (Y+Rc), s		6.0		6.0	3.7	6.0		
Max Green Setting (Gmax), s		106.0		32.0	4.3	98.0		
Max Q Clear Time (g_c+I1), s		8.4		6.5	2.7	2.0		
Green Ext Time (p_c), s		4.8		0.3	0.0	4.8		

Intersection Summary	
HCM 2010 Ctrl Delay	5.9
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.
User approved ignoring U-Turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Lane Configurations												
Volume (veh/h)	173	0	96	0	0	0	13	62	2112	4	17	9
Number	7	4	14					5	2	12		1
Initial Q (Qb), veh	0	0	0					0	0	0		0
Ped-Bike Adj(A_pbT)	1.00		1.00					1.00		1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00					1.00	1.00	1.00		1.00
Adj Sat Flow, veh/h/ln	190.0	0.0	190.0					190.0	188.1	190.0		190.0
Adj Flow Rate, veh/h	184	0	102					66	2247	4		10
Adj No. of Lanes	2	0	1					1	3	0		1
Peak Hour Factor	0.94	0.94	0.94					0.94	0.94	0.94		0.94
Percent Heavy Veh, %	0	0	0					0	1	1		0
Cap, veh/h	367	0	169					284	3708	7		283
Arrive On Green	0.10	0.00	0.10					0.13	1.00	1.00		0.06
Sat Flow, veh/h	3510	0	1615					1810	5294	9		1810
Grp Volume(v), veh/h	184	0	102					66	1453	798		10
Grp Sat Flow(s),veh/h/ln	1755	0	1615					1810	1712	1880		1810
Q Serve(g_s), s	7.1	0.0	8.7					1.2	0.0	0.0		0.2
Cycle Q Clear(g_c), s	7.1	0.0	8.7					1.2	0.0	0.0		0.2
Prop In Lane	1.00		1.00					1.00		0.01		1.00
Lane Grp Cap(c), veh/h	367	0	169					284	2398	1316		283
V/C Ratio(X)	0.50	0.00	0.60					0.23	0.61	0.61		0.04
Avail Cap(c_a), veh/h	477	0	219					309	2398	1316		308
HCM Platoon Ratio	1.00	1.00	1.00					2.00	2.00	2.00		1.00
Upstream Filter(I)	1.00	0.00	1.00					0.41	0.41	0.41		1.00
Uniform Delay (d), s/veh	60.7	0.0	61.4					6.8	0.0	0.0		4.1
Incr Delay (d2), s/veh	0.4	0.0	1.3					0.1	0.5	0.8		0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0					0.0	0.0	0.0		0.0
%ile BackOfQ(50%),veh/ln	3.5	0.0	7.8					0.6	0.2	0.3		0.1
LnGrp Delay(d),s/veh	61.1	0.0	62.7					6.9	0.5	0.8		4.1
LnGrp LOS	E		E					A	A	A		A
Approach Vol, veh/h		286							2317			
Approach Delay, s/veh		61.7							0.8			
Approach LOS		E							A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		
Phs Duration (G+Y+Rc), s	15.0	113.5		21.5	15.0	113.5		
Change Period (Y+Rc), s	6.0	6.5		6.5	6.0	6.5		
Max Green Setting (Gmax), s	11.0	100.5		19.5	11.0	100.5		
Max Q Clear Time (g_c+I1), s	2.2	2.0		10.7	3.2	27.7		
Green Ext Time (p_c), s	0.0	70.1		0.4	0.0	56.3		

Intersection Summary	
HCM 2010 Ctrl Delay	9.1
HCM 2010 LOS	A

Notes

User approved ignoring U-Turning movement.

Movement	SBT	SBR
Lane Configurations		
Volume (veh/h)	1653	175
Number	6	16
Initial Q (Qb), veh	0	0
Ped-Bike Adj(A_pbT)		1.00
Parking Bus, Adj	1.00	1.00
Adj Sat Flow, veh/h/ln	188.3	190.0
Adj Flow Rate, veh/h	1759	186
Adj No. of Lanes	3	0
Peak Hour Factor	0.94	0.94
Percent Heavy Veh, %	1	1
Cap, veh/h	3309	349
Arrive On Green	0.70	0.70
Sat Flow, veh/h	4724	498
Grp Volume(v), veh/h	1274	671
Grp Sat Flow(s),veh/h/ln	1714	1795
Q Serve(g_s), s	25.4	25.7
Cycle Q Clear(g_c), s	25.4	25.7
Prop In Lane		0.28
Lane Grp Cap(c), veh/h	2400	1257
V/C Ratio(X)	0.53	0.53
Avail Cap(c_a), veh/h	2400	1257
HCM Platoon Ratio	1.00	1.00
Upstream Filter(I)	1.00	1.00
Uniform Delay (d), s/veh	10.3	10.3
Incr Delay (d2), s/veh	0.8	1.6
Initial Q Delay(d3),s/veh	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.1	13.2
LnGrp Delay(d),s/veh	11.1	11.9
LnGrp LOS	B	B
Approach Vol, veh/h	1955	
Approach Delay, s/veh	11.3	
Approach LOS	B	
Timer		

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	38	0	5	10	2294	51	19	1797	4
Number				7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				190.0	190.0	190.0	190.0	190.0	190.0	190.0	188.1	190.0
Adj Flow Rate, veh/h				41	0	5	11	2467	55	20	1932	4
Adj No. of Lanes				2	0	1	1	3	0	1	3	0
Peak Hour Factor				0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %				0	0	0	0	0	0	0	1	1
Cap, veh/h				114	0	51	365	4294	95	160	4105	8
Arrive On Green				0.03	0.00	0.03	0.07	0.82	0.82	0.02	1.00	1.00
Sat Flow, veh/h				3619	0	1615	1810	5222	116	1810	5292	11
Grp Volume(v), veh/h				41	0	5	11	1631	891	20	1250	686
Grp Sat Flow(s),veh/h/ln				1810	0	1615	1810	1729	1880	1810	1712	1879
Q Serve(g_s), s				1.5	0.0	0.4	0.1	21.5	21.8	0.3	0.0	0.0
Cycle Q Clear(g_c), s				1.5	0.0	0.4	0.1	21.5	21.8	0.3	0.0	0.0
Prop In Lane				1.00		1.00	1.00		0.06	1.00		0.01
Lane Grp Cap(c), veh/h				114	0	51	365	2844	1546	160	2656	1458
V/C Ratio(X)				0.36	0.00	0.10	0.03	0.57	0.58	0.12	0.47	0.47
Avail Cap(c_a), veh/h				466	0	208	376	2844	1546	229	2656	1458
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	0.83	0.83	0.83
Uniform Delay (d), s/veh				64.5	0.0	64.0	1.4	4.1	4.1	4.4	0.0	0.0
Incr Delay (d2), s/veh				1.4	0.0	0.6	0.0	0.8	1.6	0.1	0.5	0.9
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				0.8	0.0	0.4	0.1	10.3	11.8	0.2	0.2	0.4
LnGrp Delay(d),s/veh				65.9	0.0	64.6	1.4	4.9	5.7	4.5	0.5	0.9
LnGrp LOS				E		E	A	A	A	A	A	A
Approach Vol, veh/h					46			2533			1956	
Approach Delay, s/veh					65.8			5.2			0.7	
Approach LOS					E			A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		
Phs Duration (G+Y+Rc), s	8.9	132.4		8.8	16.2	125.0		
Change Period (Y+Rc), s	* 6.1999998	6.5		5.*	5.6.1999998	6.5		
Max Green Setting (Gmax), s	* 7.8000002	107.5		16.5	* 10.8	104.5		
Max Q Clear Time (g_c+I1), s	2.3	23.8		3.5	2.1	2.0		
Green Ext Time (p_c), s	0.0	30.4		0.1	0.0	31.6		

Intersection Summary	
HCM 2010 Ctrl Delay	3.8
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	400	5	0	0	10	8	480	1953	11	0	0	0
Number	7	4	14	3	8	18	5	2	12			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	188.1	188.2	0.0	0.0	190.0	190.0	188.1	188.1	190.0			
Adj Flow Rate, veh/h	421	0	0	0	10	8	500	2034	11			
Adj No. of Lanes	2	1	0	0	1	0	1	3	0			
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	1	0	0	0	0	0	1	1	1			
Cap, veh/h	1050	551	0	0	34	27	1003	2952	16			
Arrive On Green	0.29	0.00	0.00	0.00	0.03	0.03	0.56	0.56	0.55			
Sat Flow, veh/h	3583	1882	0	0	979	783	1792	5272	29			
Grp Volume(v), veh/h	421	0	0	0	0	18	500	1321	724			
Grp Sat Flow(s),veh/h/ln	1792	1882	0	0	0	1762	1792	1712	1876			
Q Serve(g_s), s	11.6	0.0	0.0	0.0	0.0	1.2	21.0	34.1	34.1			
Cycle Q Clear(g_c), s	11.6	0.0	0.0	0.0	0.0	1.2	21.0	34.1	34.1			
Prop In Lane	1.00		0.00	0.00		0.44	1.00		0.02			
Lane Grp Cap(c), veh/h	1050	551	0	0	0	60	1003	1917	1051			
V/C Ratio(X)	0.40	0.00	0.00	0.00	0.00	0.30	0.50	0.69	0.69			
Avail Cap(c_a), veh/h	1050	551	0	0	0	114	1003	1917	1051			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.38	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00			
Uniform Delay (d), s/veh	34.9	0.0	0.0	0.0	0.0	58.3	16.5	19.4	19.4			
Incr Delay (d2), s/veh	0.4	0.0	0.0	0.0	0.0	2.0	1.8	2.0	3.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	5.8	0.0	0.0	0.0	0.0	0.6	10.8	16.5	18.6			
LnGrp Delay(d),s/veh	35.3	0.0	0.0	0.0	0.0	60.3	18.3	21.5	23.1			
LnGrp LOS	D					E	B	C	C			
Approach Vol, veh/h		421			18			2545				
Approach Delay, s/veh		35.3			60.3			21.3				
Approach LOS		D			E			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		99.8		42.0				8.2
Change Period (Y+Rc), s		5.0		6.9				5.0
Max Green Setting (Gmax), s		68.0		35.1				7.0
Max Q Clear Time (g_c+I1), s		36.1		13.6				3.2
Green Ext Time (p_c), s		10.0		1.5				0.0

Intersection Summary	
HCM 2010 Ctrl Delay	23.5
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	412	508	0	494	0	0	0	0	24	1551	316
Number	7	4	14	3	8	18				1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0.0	188.1	188.1	0.0	188.1	0.0				190.0	188.1	188.1
Adj Flow Rate, veh/h	0	514	489	0	526	0				26	1650	336
Adj No. of Lanes	0	1	1	0	2	0				0	3	1
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94				0.94	0.94	0.94
Percent Heavy Veh, %	0	1	1	0	1	0				1	1	1
Cap, veh/h	0	612	520	0	1162	0				46	3071	940
Arrive On Green	0.00	0.54	0.54	0.00	0.33	0.00				0.59	0.59	0.59
Sat Flow, veh/h	0	1881	1599	0	3762	0				77	5224	1599
Grp Volume(v), veh/h	0	514	489	0	526	0				630	1046	336
Grp Sat Flow(s),veh/h/ln	0	1881	1599	0	1787	0				1877	1712	1599
Q Serve(g_s), s	0.0	28.0	34.8	0.0	14.2	0.0				25.4	22.1	13.4
Cycle Q Clear(g_c), s	0.0	28.0	34.8	0.0	14.2	0.0				25.4	22.1	13.4
Prop In Lane	0.00		1.00	0.00		0.00				0.04		1.00
Lane Grp Cap(c), veh/h	0	612	520	0	1162	0				1104	2013	940
V/C Ratio(X)	0.00	0.84	0.94	0.00	0.45	0.00				0.57	0.52	0.36
Avail Cap(c_a), veh/h	0	1044	888	0	1984	0				1104	2013	940
HCM Platoon Ratio	1.00	1.67	1.67	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.90	0.00				1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	25.2	26.8	0.0	32.6	0.0				15.6	14.9	13.1
Incr Delay (d2), s/veh	0.0	1.2	7.4	0.0	0.1	0.0				2.1	1.0	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	14.5	16.3	0.0	7.0	0.0				13.8	10.6	6.2
LnGrp Delay(d),s/veh	0.0	26.4	34.2	0.0	32.7	0.0				17.7	15.9	14.2
LnGrp LOS		C	C		C					B	B	B
Approach Vol, veh/h		1003			526						2012	
Approach Delay, s/veh		30.2			32.7						16.2	
Approach LOS		C			C						B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				44.9		77.0		44.9
Change Period (Y+Rc), s				* 6.3000002		6.3		* 6.3000002
Max Green Setting (Gmax), s				* 66.699997		70.7		* 66.699997
Max Q Clear Time (g_c+I1), s				36.8		27.4		16.2
Green Ext Time (p_c), s				1.8		0.0		1.8

Intersection Summary	
HCM 2010 Ctrl Delay	22.6
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	2	1124	0	0	795	2	366	0	51	4	0	2
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	95.0	188.1	0.0	0.0	187.7	190.0	190.0	190.0	190.0	190.0	98.8	190.0
Adj Flow Rate, veh/h	2	1171	0	0	828	2	381	0	53	4	0	2
Adj No. of Lanes	1	2	0	0	2	0	2	1	0	0	1	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.95	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	100	1	0	0	1	1	0	0	0	0	0	0
Cap, veh/h	298	2563	0	0	2617	6	453	0	208	5	0	2
Arrive On Green	1.00	1.00	0.00	0.00	1.00	1.00	0.13	0.00	0.13	0.01	0.00	0.01
Sat Flow, veh/h	336	3668	0	0	3743	9	3510	0	1615	603	0	302
Grp Volume(v), veh/h	2	1171	0	0	405	425	381	0	53	6	0	0
Grp Sat Flow(s),veh/h/ln	336	1787	0	0	1783	1875	1755	0	1615	905	0	0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	3.7	0.8	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	3.7	0.8	0.0	0.0
Prop In Lane	1.00		0.00	0.00		0.00	1.00		1.00	0.67		0.33
Lane Grp Cap(c), veh/h	298	2563	0	0	1278	1345	453	0	208	7	0	0
V/C Ratio(X)	0.01	0.46	0.00	0.00	0.32	0.32	0.84	0.00	0.25	0.88	0.00	0.00
Avail Cap(c_a), veh/h	298	2563	0	0	1278	1345	946	0	435	50	0	0
HCM Platoon Ratio	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.94	0.94	0.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	53.7	0.0	49.5	62.6	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.6	0.0	0.0	0.7	0.6	1.7	0.0	0.2	69.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.2	0.0	0.0	0.2	0.2	6.6	0.0	1.7	0.3	0.0	0.0
LnGrp Delay(d),s/veh	0.0	0.6	0.0	0.0	0.7	0.6	55.4	0.0	49.7	131.7	0.0	0.0
LnGrp LOS	A	A			A	A	E		D	F		
Approach Vol, veh/h		1173			830			434			6	
Approach Delay, s/veh		0.6			0.6			54.7			131.7	
Approach LOS		A			A			D			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Phs Duration (G+Y+Rc), s		120.8		6.9		120.8		22.3
Change Period (Y+Rc), s		6.5		6.0		6.5		6.0
Max Green Setting (Gmax), s		90.5		7.0		90.5		34.0
Max Q Clear Time (g_c+I1), s		2.0		2.8		2.0		15.4
Green Ext Time (p_c), s		6.7		0.0		6.7		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	10.5
HCM 2010 LOS	B

Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Volume (veh/h)	6	69	929	28	1104	51	110	91
Number		5	2		6	16	7	14
Initial Q (Qb), veh		0	0		0	0	0	0
Ped-Bike Adj(A_pbT)		1.00				1.00	1.00	1.00
Parking Bus, Adj		1.00	1.00		1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln		190.0	188.1		188.2	190.0	190.0	190.0
Adj Flow Rate, veh/h		73	988		1104	54	118	59
Adj No. of Lanes		1	2		2	0	2	1
Peak Hour Factor		0.94	0.94		1.00	0.94	0.94	0.94
Percent Heavy Veh, %		0	1		1	1	0	0
Cap, veh/h		496	3084		2745	134	192	86
Arrive On Green		0.03	0.86		1.00	1.00	0.05	0.05
Sat Flow, veh/h		1810	3668		3564	170	3619	1615
Grp Volume(v), veh/h		73	988		569	589	118	59
Grp Sat Flow(s),veh/h/ln		1810	1787		1788	1852	1810	1615
Q Serve(g_s), s		0.9	6.9		0.0	0.0	4.2	4.7
Cycle Q Clear(g_c), s		0.9	6.9		0.0	0.0	4.2	4.7
Prop In Lane		1.00				0.09	1.00	1.00
Lane Grp Cap(c), veh/h		496	3084		1414	1465	192	86
V/C Ratio(X)		0.15	0.32		0.40	0.40	0.61	0.69
Avail Cap(c_a), veh/h		656	3084		1414	1465	718	321
HCM Platoon Ratio		1.00	1.00		2.00	2.00	1.00	1.00
Upstream Filter(I)		1.00	1.00		0.88	0.88	1.00	1.00
Uniform Delay (d), s/veh		1.9	1.7		0.0	0.0	60.7	60.9
Incr Delay (d2), s/veh		0.1	0.3		0.7	0.7	1.2	3.6
Initial Q Delay(d3),s/veh		0.0	0.0		0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln		0.5	3.4		0.3	0.3	2.1	4.2
LnGrp Delay(d),s/veh		1.9	2.0		0.7	0.7	61.9	64.5
LnGrp LOS		A	A		A	A	E	E
Approach Vol, veh/h			1061		1158		177	
Approach Delay, s/veh			2.0		0.7		62.8	
Approach LOS			A		A		E	

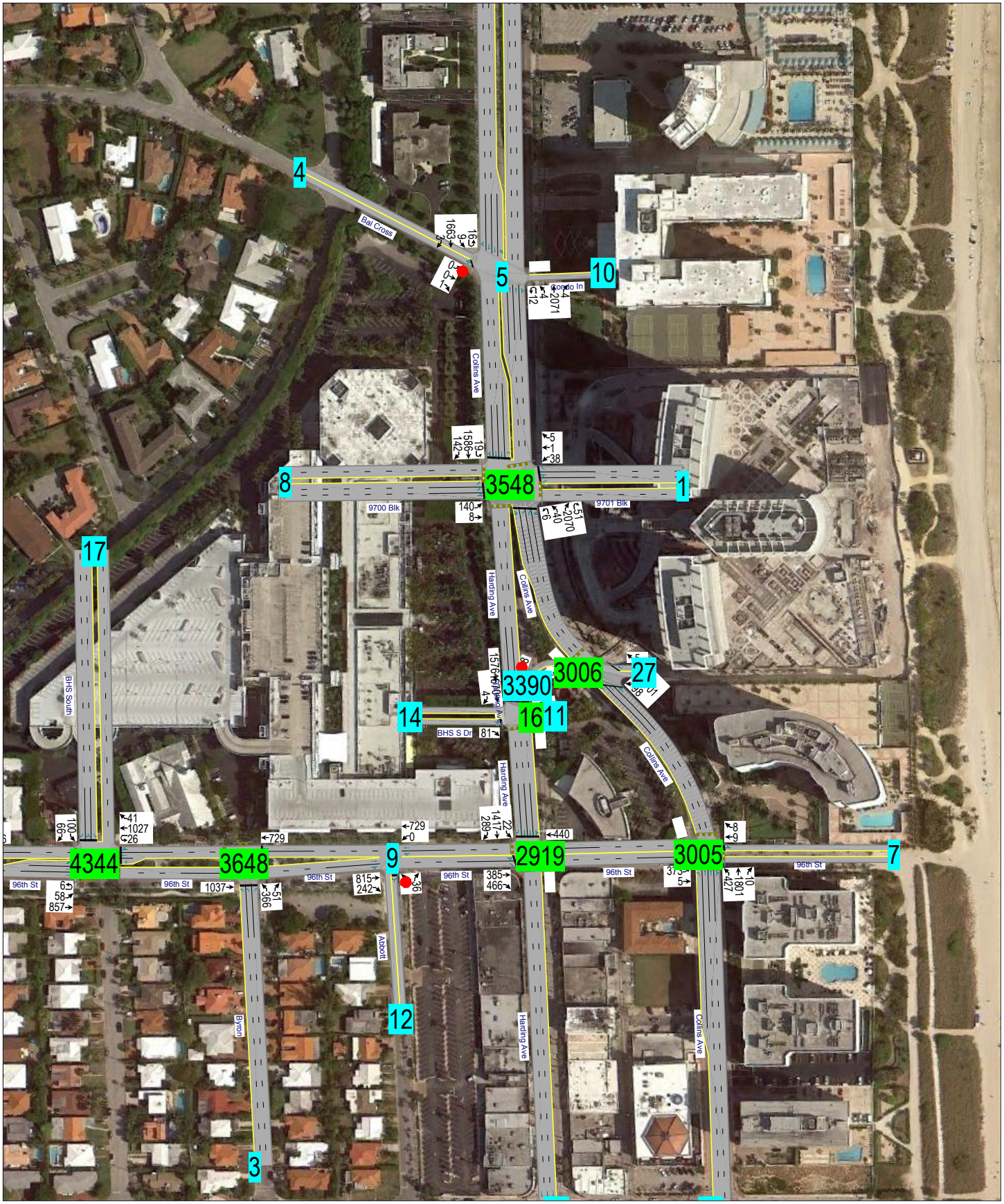
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		137.0		13.0	9.4	127.6		
Change Period (Y+Rc), s		5.0		6*05.6999998		5.0		
Max Green Setting (Gmax), s		113.0		26.0	* 15.3	92.0		
Max Q Clear Time (g_c+I1), s		8.9		6.7	2.9	2.0		
Green Ext Time (p_c), s		16.7		0.3	0.1	16.6		

Intersection Summary	
HCM 2010 Ctrl Delay	5.9
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.
User approved ignoring U-Turning movement.
* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

APPENDIX M
TRAFFIC SIMULATION ANALYSES


4
Bal Cross
5
10
Condo In
Collins Ave
8
3548
1
9700 Blk
9701 Blk
17
Harding Ave
Collins Ave
3006
27
3390
14
1611
BHS S Dr
BHS South
Collins Ave
4344
3648
9
2919
3005
7
96th St
96th St
96th St
96th St
96th St
96th St
Abbott
Byron
12
Harding Ave
Collins Ave
3

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	0	81	0	0	0	0	0	0	0	1670	4
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes	Yes		Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		228			45			261			60	
Travel Time (s)		5.2			1.0			5.9			1.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	2%	2%	0%	0%	0%	2%	2%	2%	2%	2%	1%	0%
Shared Lane Traffic (%)												
Turn Type			Free	Perm							NA	
Protected Phases											6	
Permitted Phases			Free	8								
Detector Phase				8							6	
Switch Phase												
Minimum Initial (s)				5.0							4.0	
Minimum Split (s)				26.0							24.0	
Total Split (s)				27.0							123.0	
Total Split (%)				18.0%							82.0%	
Maximum Green (s)				22.0							118.0	
Yellow Time (s)				4.0							4.0	
All-Red Time (s)				1.0							1.0	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.0							5.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)				2.0							2.0	
Recall Mode				Ped							C-Max	
Walk Time (s)				7.0								
Flash Dont Walk (s)				20.0								
Pedestrian Calls (#/hr)				7								

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 100 (67%), Referenced to phase 2:NWTL and 6:, Start of Yellow
Natural Cycle: 60
Control Type: Actuated-Coordinated

Splits and Phases: 16: Harding Ave & BHS S Dr

Lane Group	ø2
Lane Configurations	
Volume (vph)	
Ideal Flow (vphpl)	
Right Turn on Red	
Link Speed (mph)	
Link Distance (ft)	
Travel Time (s)	
Peak Hour Factor	
Heavy Vehicles (%)	
Shared Lane Traffic (%)	
Turn Type	
Protected Phases	2
Permitted Phases	
Detector Phase	
Switch Phase	
Minimum Initial (s)	4.0
Minimum Split (s)	23.0
Total Split (s)	123.0
Total Split (%)	82%
Maximum Green (s)	118.0
Yellow Time (s)	4.0
All-Red Time (s)	1.0
Lost Time Adjust (s)	
Total Lost Time (s)	
Lead/Lag	
Lead-Lag Optimize?	
Vehicle Extension (s)	2.0
Recall Mode	C-Max
Walk Time (s)	
Flash Dont Walk (s)	
Pedestrian Calls (#/hr)	

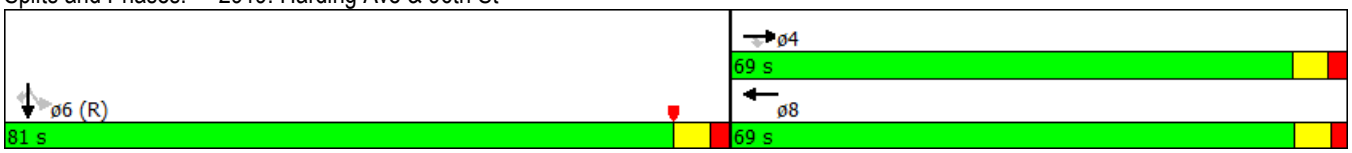
Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	385	466	0	440	0	0	0	0	22	1417	289
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			No			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		278			297			669			261	
Travel Time (s)		6.3			6.8			15.2			5.9	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Shared Lane Traffic (%)			15%									
Turn Type		NA	Perm		NA					Perm	NA	Perm
Protected Phases		4			8						6	
Permitted Phases			4							6		6
Detector Phase		4	4		8					6	6	6
Switch Phase												
Minimum Initial (s)		4.0	4.0		4.0					4.0	4.0	4.0
Minimum Split (s)		24.0	24.0		25.0					72.3	72.3	72.3
Total Split (s)		69.0	69.0		69.0					81.0	81.0	81.0
Total Split (%)		46.0%	46.0%		46.0%					54.0%	54.0%	54.0%
Maximum Green (s)		62.7	62.7		63.0					74.7	74.7	74.7
Yellow Time (s)		4.0	4.0		4.0					4.0	4.0	4.0
All-Red Time (s)		2.3	2.3		2.0					2.3	2.3	2.3
Lost Time Adjust (s)		-1.0	-1.0		-1.0						-1.0	-1.0
Total Lost Time (s)		5.3	5.3		5.0						5.3	5.3
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)		1.0	1.0		1.0					1.0	1.0	1.0
Recall Mode		Min	Min		None					C-Max	C-Max	C-Max
Walk Time (s)					7.0					49.0	49.0	49.0
Flash Dont Walk (s)					12.0					17.0	17.0	17.0
Pedestrian Calls (#/hr)					0					0	0	0

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 98 (65%), Referenced to phase 6:SBTL, Start of Yellow
Natural Cycle: 100
Control Type: Actuated-Coordinated

Splits and Phases: 2919: Harding Ave & 96th St

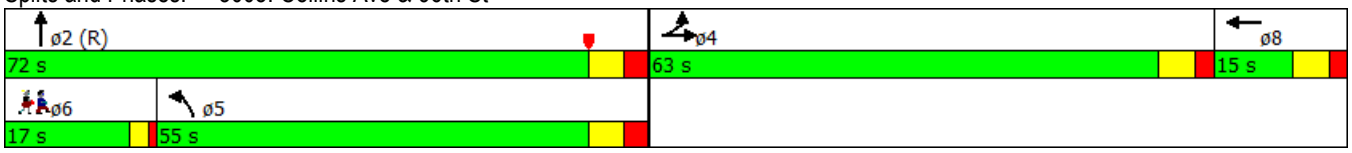


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	373	5	0	0	9	8	427	1801	10	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0	300		0	0		0
Storage Lanes	1		0	0		0	1		0	0		0
Taper Length (ft)	25			25			50			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		297			368			670			418	
Travel Time (s)		6.8			8.4			15.2			9.5	
Peak Hour Factor	0.96	0.96	0.96	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	1%	0%	1%	1%	0%	0%	1%	1%	0%	2%	2%	2%
Shared Lane Traffic (%)	49%											
Turn Type	Split	NA			NA		Prot	NA				
Protected Phases	4	4			8		5	2				
Permitted Phases												
Detector Phase	4	4			8		5	2				
Switch Phase												
Minimum Initial (s)	4.0	4.0			7.0		4.0	4.0				
Minimum Split (s)	25.0	25.0			13.2		24.0	31.0				
Total Split (s)	63.0	63.0			15.0		55.0	72.0				
Total Split (%)	42.0%	42.0%			10.0%		36.7%	48.0%				
Maximum Green (s)	56.8	56.8			8.8		48.1	65.1				
Yellow Time (s)	4.0	4.0			4.0		4.0	4.0				
All-Red Time (s)	2.2	2.2			2.2		2.9	2.9				
Lost Time Adjust (s)	-1.0	-1.0			-1.0		-1.0	-1.0				
Total Lost Time (s)	5.2	5.2			5.2		5.9	5.9				
Lead/Lag							Lag					
Lead-Lag Optimize?												
Vehicle Extension (s)	2.5	2.5			2.5		2.0	2.0				
Recall Mode	Max	Max			None		Max	C-Max				
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 113 (75%), Referenced to phase 2:NBT, Start of Yellow
Natural Cycle: 80
Control Type: Actuated-Coordinated

Splits and Phases: 3005: Collins Ave & 96th St



Lane Group	ø6
Lane Configurations	
Volume (vph)	
Ideal Flow (vphpl)	
Storage Length (ft)	
Storage Lanes	
Taper Length (ft)	
Right Turn on Red	
Link Speed (mph)	
Link Distance (ft)	
Travel Time (s)	
Peak Hour Factor	
Heavy Vehicles (%)	
Shared Lane Traffic (%)	
Turn Type	
Protected Phases	6
Permitted Phases	
Detector Phase	
Switch Phase	
Minimum Initial (s)	3.0
Minimum Split (s)	16.0
Total Split (s)	17.0
Total Split (%)	11%
Maximum Green (s)	14.0
Yellow Time (s)	2.0
All-Red Time (s)	1.0
Lost Time Adjust (s)	
Total Lost Time (s)	
Lead/Lag	Lead
Lead-Lag Optimize?	
Vehicle Extension (s)	2.0
Recall Mode	None
Walk Time (s)	4.0
Flash Dont Walk (s)	11.0
Pedestrian Calls (#/hr)	5

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	SEL	SET	SER	NWL	NWT	NWR
Lane Configurations												
Volume (vph)	0	0	0	0	0	5	0	0	0	98	2101	5
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0	0		0	10		0
Storage Lanes	0		0	0		1	0		0	0		0
Taper Length (ft)	25			50			25			25		
Right Turn on Red			Yes			Yes			Yes	Yes		Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		105			124			384			418	
Travel Time (s)		2.4			2.8			8.7			9.5	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	2%	2%	2%	2%	2%	0%	2%	2%	2%	0%	1%	0%
Shared Lane Traffic (%)												
Turn Type						Perm				Split	NA	
Protected Phases										2	2	
Permitted Phases						8						
Detector Phase						8				2	2	
Switch Phase												
Minimum Initial (s)						5.0				4.0	4.0	
Minimum Split (s)						26.0				23.0	23.0	
Total Split (s)						27.0				123.0	123.0	
Total Split (%)						18.0%				82.0%	82.0%	
Maximum Green (s)						22.0				118.0	118.0	
Yellow Time (s)						4.0				4.0	4.0	
All-Red Time (s)						1.0				1.0	1.0	
Lost Time Adjust (s)						0.0					-1.0	
Total Lost Time (s)						5.0					4.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)						2.0				2.0	2.0	
Recall Mode						Ped				C-Max	C-Max	
Walk Time (s)						7.0						
Flash Dont Walk (s)						20.0						
Pedestrian Calls (#/hr)						7						

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 100 (67%), Referenced to phase 2:NWTL and 6:, Start of Yellow
Natural Cycle: 60
Control Type: Actuated-Coordinated

Splits and Phases: 3006: Collins Ave & U-turn

Lane Group	ø6
Lane Configurations	
Volume (vph)	
Ideal Flow (vphpl)	
Storage Length (ft)	
Storage Lanes	
Taper Length (ft)	
Right Turn on Red	
Link Speed (mph)	
Link Distance (ft)	
Travel Time (s)	
Peak Hour Factor	
Heavy Vehicles (%)	
Shared Lane Traffic (%)	
Turn Type	
Protected Phases	6
Permitted Phases	
Detector Phase	
Switch Phase	
Minimum Initial (s)	4.0
Minimum Split (s)	24.0
Total Split (s)	123.0
Total Split (%)	82%
Maximum Green (s)	118.0
Yellow Time (s)	4.0
All-Red Time (s)	1.0
Lost Time Adjust (s)	
Total Lost Time (s)	
Lead/Lag	
Lead-Lag Optimize?	
Vehicle Extension (s)	2.0
Recall Mode	C-Max
Walk Time (s)	
Flash Dont Walk (s)	
Pedestrian Calls (#/hr)	

Intersection Summary

Lane Group	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations						
Volume (vph)	0	0	0	1576	98	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Link Speed (mph)	30			30	30	
Link Distance (ft)	60			378	105	
Travel Time (s)	1.4			8.6	2.4	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	2%	2%	2%	2%	0%	2%
Shared Lane Traffic (%)						
Sign Control	Stop			Free	Stop	

Intersection Summary

Area Type: Other
Control Type: Unsignalized

Lane Group	EBL	EBT	WBL	WBT	WBR	SBL2	SBT	SBR	NWL2	NWL	NWR	NWR2
Lane Configurations												
Volume (vph)	140	8	38	1	5	19	1586	142	6	40	2070	51
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0		0			0		100	0	
Storage Lanes	2		1		1			0		1	0	
Taper Length (ft)	25		25							50		
Right Turn on Red					Yes			Yes	Yes			Yes
Link Speed (mph)		30		30			30			30		
Link Distance (ft)		423		324			391			384		
Travel Time (s)		9.6		7.4			8.9			8.7		
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	1%	0%
Shared Lane Traffic (%)	30%		49%									
Turn Type	Split	NA	Split	NA	Free	pm+pt	NA		Perm	pm+pt	Prot	
Protected Phases	8	8	4	4		1	6			5	2	
Permitted Phases					Free	6	6		5	2		
Detector Phase	8	8	4	4		1	6		5	5	2	
Switch Phase												
Minimum Initial (s)	7.0	7.0	4.0	4.0		5.0	4.0		5.0	5.0	4.0	
Minimum Split (s)	13.8	13.8	15.0	15.0		11.2	21.0		11.2	11.2	21.0	
Total Split (s)	21.3	21.3	16.0	16.0		11.4	101.0		11.7	11.7	101.3	
Total Split (%)	14.2%	14.2%	10.7%	10.7%		7.6%	67.3%		7.8%	7.8%	67.5%	
Maximum Green (s)	14.5	14.5	9.2	9.2		5.2	94.5		5.5	5.5	94.8	
Yellow Time (s)	4.0	4.0	4.0	4.0		3.7	4.0		3.7	3.7	4.0	
All-Red Time (s)	2.8	2.8	2.8	2.8		2.5	2.5		2.5	2.5	2.5	
Lost Time Adjust (s)	-1.0	-1.0	-1.0	-1.0		1.0	-1.0			1.0	-1.0	
Total Lost Time (s)	5.8	5.8	5.8	5.8		7.2	5.5			7.2	5.5	
Lead/Lag						Lead	Lag		Lead	Lead	Lag	
Lead-Lag Optimize?												
Vehicle Extension (s)	2.5	2.5	2.5	2.5		2.0	2.0		2.5	2.5	2.0	
Recall Mode	Ped	Ped	None	None		None	C-Max		None	None	C-Max	
Walk Time (s)	5.0	5.0										
Flash Dont Walk (s)	30.0	30.0										
Pedestrian Calls (#/hr)	21	21										

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 0 (0%), Referenced to phase 2:NWL and 6:SBTL, Start of Yellow
Natural Cycle: 110
Control Type: Actuated-Coordinated

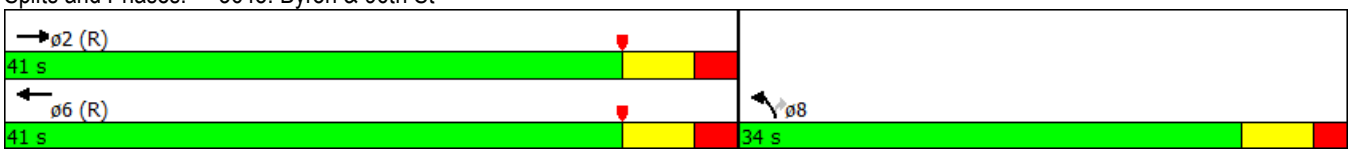
Splits and Phases: 3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (vph)	1037	0	0	729	366	51
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Right Turn on Red		Yes				Yes
Link Speed (mph)	30			30	30	
Link Distance (ft)	282			279	570	
Travel Time (s)	6.4			6.3	13.0	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	1%	0%	0%	1%	1%	0%
Shared Lane Traffic (%)						
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			6	8	
Permitted Phases						8
Detector Phase	2			6	8	8
Switch Phase						
Minimum Initial (s)	4.0			4.0	4.0	4.0
Minimum Split (s)	22.5			22.5	12.0	12.0
Total Split (s)	41.0			41.0	34.0	34.0
Total Split (%)	54.7%			54.7%	45.3%	45.3%
Maximum Green (s)	34.5			34.5	28.0	28.0
Yellow Time (s)	4.0			4.0	4.0	4.0
All-Red Time (s)	2.5			2.5	2.0	2.0
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	6.5			6.5	6.0	6.0
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	1.0			1.0	2.5	2.5
Recall Mode	C-Max			C-Max	None	None
Walk Time (s)	5.0			5.0		
Flash Dont Walk (s)	11.0			11.0		
Pedestrian Calls (#/hr)	0			0		

Intersection Summary

Area Type: Other
Cycle Length: 75
Actuated Cycle Length: 75
Offset: 6 (8%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 40
Control Type: Actuated-Coordinated

Splits and Phases: 3648: Byron & 96th St



Lane Group	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Volume (vph)	6	58	857	26	1027	41	100	66
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)		85		25		0	0	0
Storage Lanes		1		1		0	2	1
Taper Length (ft)		50		25			25	
Right Turn on Red						Yes		Yes
Link Speed (mph)			30		30		30	
Link Distance (ft)			244		282		588	
Travel Time (s)			5.5		6.4		13.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	1%	0%	1%	1%	1%	0%	0%	0%
Shared Lane Traffic (%)								22%
Turn Type	pm+pt	pm+pt	NA	Perm	NA		Prot	Prot
Protected Phases	5	5	2		6		4	4
Permitted Phases	2	2		6				
Detector Phase	5	5	2	6	6		4	4
Switch Phase								
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0
Minimum Split (s)	9.0	9.0	22.0	22.0	22.0		21.0	21.0
Total Split (s)	8.0	8.0	112.0	104.0	104.0		38.0	38.0
Total Split (%)	5.3%	5.3%	74.7%	69.3%	69.3%		25.3%	25.3%
Maximum Green (s)	4.3	4.3	106.0	98.0	98.0		32.0	32.0
Yellow Time (s)	3.7	3.7	4.0	4.0	4.0		4.0	4.0
All-Red Time (s)	0.0	0.0	2.0	2.0	2.0		2.0	2.0
Lost Time Adjust (s)		0.0	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)		3.7	6.0	6.0	6.0		6.0	6.0
Lead/Lag	Lead	Lead		Lag	Lag			
Lead-Lag Optimize?								
Vehicle Extension (s)	2.0	2.0	2.0	2.0	2.0		2.0	2.0
Recall Mode	None	None	C-Max	C-Max	C-Max		None	None
Walk Time (s)			5.0	5.0	5.0			
Flash Dont Walk (s)			11.0	11.0	11.0			
Pedestrian Calls (#/hr)			0	0	0			

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 149 (99%), Referenced to phase 2:EBTL and 6:WBTU, Start of Yellow
Natural Cycle: 60
Control Type: Actuated-Coordinated

Splits and Phases: 4344: 96th St & BHS South

5: Collins Ave & Bal Cross/Condo In Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.4	3.4	3.5	3.5	3.5	3.5

9: Abbott & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	7.4	8.7	5.8	6.4	7.3	7.1

13: 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	1.4	2.0	1.4	1.5	1.4	1.5

16: Harding Ave & BHS S Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.3	2.8	2.5	3.5	3.7	3.2

2919: Harding Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0
Total Del/Veh (s)	26.0	24.7	24.7	26.1	26.4	25.6

3005: Collins Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	32.6	31.3	30.7	38.7	51.8	37.0

3006: Collins Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.1	0.2	0.0	0.1	0.1
Total Del/Veh (s)	12.5	9.8	10.8	12.6	16.4	12.4

3390: Harding Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	12.6	13.0	13.1	10.1	9.9	11.8

3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.1	0.2	0.3	0.3	0.2
Total Del/Veh (s)	16.2	16.8	15.2	18.4	18.6	17.0

3648: Byron & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.2	0.1	0.1	0.1	0.1
Total Del/Veh (s)	10.2	12.1	10.6	11.0	10.8	10.9

4344: 96th St & BHS South Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.7	10.3	8.3	8.4	9.7	9.5

Total Network Performance By Run

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.8	0.7	0.8	1.8	4.5	1.7
Total Del/Veh (s)	63.5	62.5	59.5	66.8	76.0	65.6

5: Collins Ave & Bal Cross/Condo In Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.4	3.4	3.5	3.5	3.5	3.5

9: Abbott & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	7.4	8.7	5.8	6.4	7.3	7.1

13: 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	1.4	2.0	1.4	1.5	1.4	1.5

16: Harding Ave & BHS S Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.3	2.8	2.5	3.5	3.7	3.2

2919: Harding Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0
Total Del/Veh (s)	26.0	24.7	24.7	26.1	26.4	25.6

3005: Collins Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	32.6	31.3	30.7	38.7	51.8	37.0

3006: Collins Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.1	0.2	0.0	0.1	0.1
Total Del/Veh (s)	12.5	9.8	10.8	12.6	16.4	12.4

3390: Harding Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	12.6	13.0	13.1	10.1	9.9	11.8

3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.1	0.2	0.3	0.3	0.2
Total Del/Veh (s)	16.2	16.8	15.2	18.4	18.6	17.0

3648: Byron & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.2	0.1	0.1	0.1	0.1
Total Del/Veh (s)	10.2	12.1	10.6	11.0	10.8	10.9

4344: 96th St & BHS South Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.7	10.3	8.3	8.4	9.7	9.5

Total Network Performance By Run

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.8	0.7	0.8	1.8	4.5	1.7
Total Del/Veh (s)	63.5	62.5	59.5	66.8	76.0	65.6

5: Collins Ave & Bal Cross/Condo In Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	25	25	25	25	25	25

9: Abbott & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	13	11	14	13	13	13

13: 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	23	21	23	23	23	23

16: Harding Ave & BHS S Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	7	8	9	7	7	7

2919: Harding Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	5	6	6	5	5	5

3005: Collins Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	9	9	9	8	6	8

3006: Collins Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	12	14	13	12	10	12

3390: Harding Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	12	12	12	14	14	13

3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	10	10	11	9	9	10

3648: Byron & 96th St Performance by run number

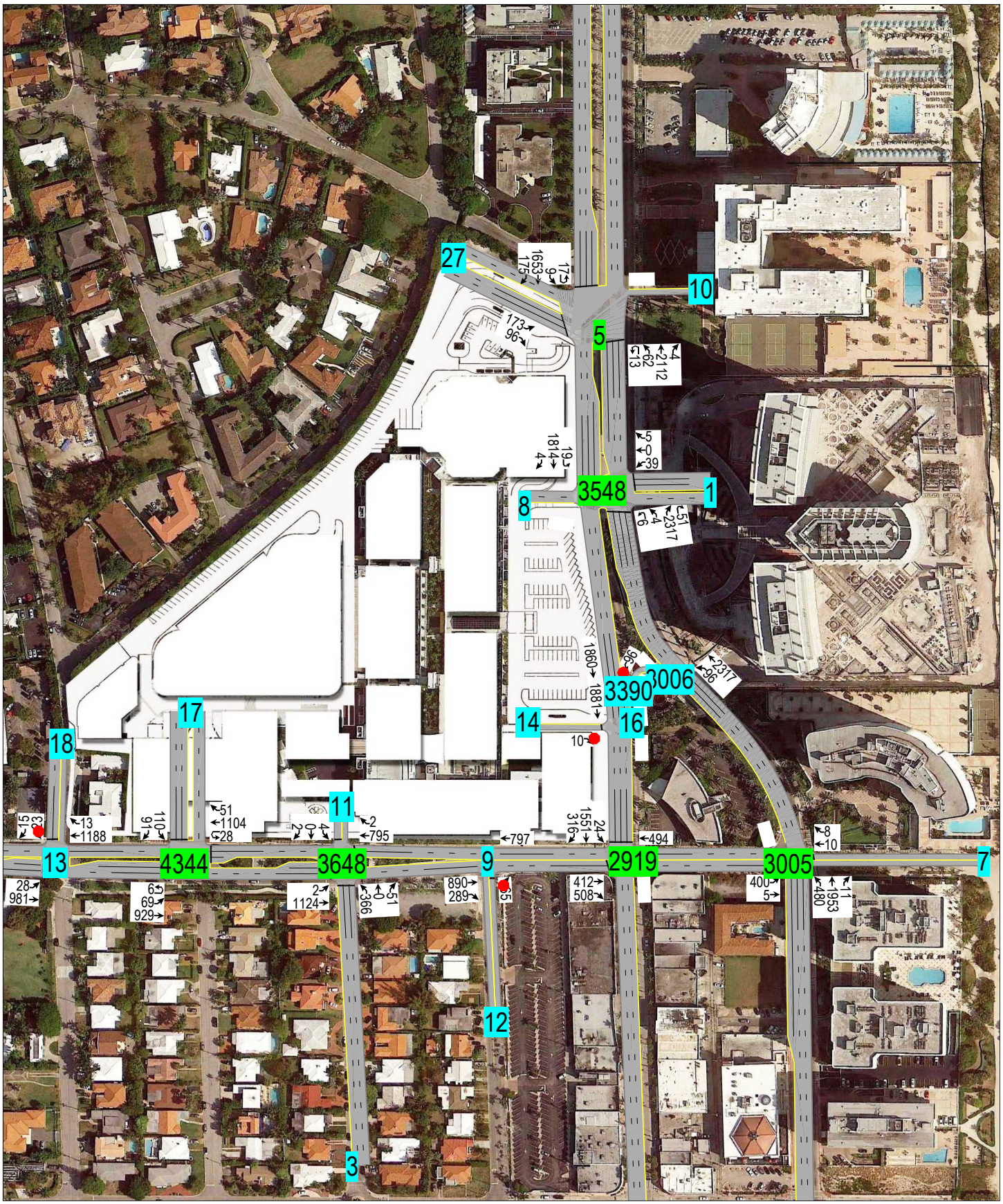
Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	12	11	12	12	12	12

4344: 96th St & BHS South Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	10	11	12	12	11	11

Total Network Performance By Run

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	16	16	17	16	15	16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Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Lane Configurations												
Volume (vph)	173	0	96	0	0	0	13	62	2112	4	17	9
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0		200		0		100
Storage Lanes	2		1	0		0		1		0		1
Taper Length (ft)	50			50				50				50
Right Turn on Red			Yes			Yes				Yes		
Link Speed (mph)		30			30				30			
Link Distance (ft)		311			209				293			
Travel Time (s)		7.1			4.8				6.7			
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
Shared Lane Traffic (%)												
Turn Type	Prot		pm+ov				pm+pt	pm+pt	NA		pm+pt	pm+pt
Protected Phases	7		5!				5!	5	2		1	1
Permitted Phases			7				2!	2			6	6
Detector Phase	7		5				5	5	2		1	1
Switch Phase												
Minimum Initial (s)	15.0		9.0				9.0	9.0	4.0		9.0	9.0
Minimum Split (s)	22.0		15.0				15.0	15.0	20.0		15.0	15.0
Total Split (s)	26.0		17.0				17.0	17.0	107.0		17.0	17.0
Total Split (%)	17.3%		11.3%				11.3%	11.3%	71.3%		11.3%	11.3%
Maximum Green (s)	19.5		11.0				11.0	11.0	100.5		11.0	11.0
Yellow Time (s)	4.0		3.7				3.7	3.7	4.0		3.7	3.7
All-Red Time (s)	2.5		2.3				2.3	2.3	2.5		2.3	2.3
Lost Time Adjust (s)	0.0		0.0					0.0	0.0			0.0
Total Lost Time (s)	6.5		6.0					6.0	6.5			6.0
Lead/Lag			Lead				Lead	Lead	Lag		Lead	Lead
Lead-Lag Optimize?												
Vehicle Extension (s)	2.0		2.0				2.0	2.0	2.0		2.0	2.0
Recall Mode	Min		Min				Min	Min	C-Max		Min	Min

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 148 (99%), Referenced to phase 2:NBTL and 6:SBTL, Start of Yellow
Natural Cycle: 80
Control Type: Actuated-Coordinated
! Phase conflict between lane groups.

Splits and Phases: 5: Collins Ave & N Drive/Condo Dr

Lane Group	SBT	SBR
Lane Configurations		
Volume (vph)	1653	175
Ideal Flow (vphpl)	1900	1900
Storage Length (ft)		0
Storage Lanes		0
Taper Length (ft)		
Right Turn on Red		Yes
Link Speed (mph)	30	
Link Distance (ft)	1790	
Travel Time (s)	40.7	
Peak Hour Factor	0.94	0.94
Heavy Vehicles (%)	1%	0%
Shared Lane Traffic (%)		
Turn Type	NA	
Protected Phases	6	
Permitted Phases		
Detector Phase	6	
Switch Phase		
Minimum Initial (s)	4.0	
Minimum Split (s)	20.0	
Total Split (s)	107.0	
Total Split (%)	71.3%	
Maximum Green (s)	100.5	
Yellow Time (s)	4.0	
All-Red Time (s)	2.5	
Lost Time Adjust (s)	0.0	
Total Lost Time (s)	6.5	
Lead/Lag	Lag	
Lead-Lag Optimize?		
Vehicle Extension (s)	2.0	
Recall Mode	C-Max	

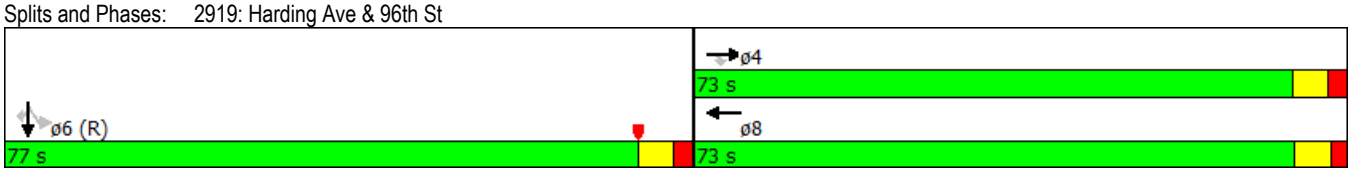
Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	0	412	508	0	494	0	0	0	0	24	1551	316
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			No			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		273			292			669			260	
Travel Time (s)		6.2			6.6			15.2			5.9	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	1%	1%	0%	1%	0%	0%	0%	0%	1%	1%	1%
Shared Lane Traffic (%)			16%									
Turn Type		NA	Perm		NA					Perm	NA	Perm
Protected Phases		4			8						6	
Permitted Phases			4							6		6
Detector Phase		4	4		8					6	6	6
Switch Phase												
Minimum Initial (s)		4.0	4.0		4.0					4.0	4.0	4.0
Minimum Split (s)		24.0	24.0		25.0					72.3	72.3	72.3
Total Split (s)		73.0	73.0		73.0					77.0	77.0	77.0
Total Split (%)		48.7%	48.7%		48.7%					51.3%	51.3%	51.3%
Maximum Green (s)		66.7	66.7		67.0					70.7	70.7	70.7
Yellow Time (s)		4.0	4.0		4.0					4.0	4.0	4.0
All-Red Time (s)		2.3	2.3		2.0					2.3	2.3	2.3
Lost Time Adjust (s)		-1.0	-1.0		-1.0						-1.0	-1.0
Total Lost Time (s)		5.3	5.3		5.0						5.3	5.3
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)		1.0	1.0		1.0					1.0	1.0	1.0
Recall Mode		Min	Min		None					C-Max	C-Max	C-Max
Walk Time (s)					7.0					49.0	49.0	49.0
Flash Dont Walk (s)					12.0					17.0	17.0	17.0
Pedestrian Calls (#/hr)					0					0	0	0

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 99 (66%), Referenced to phase 6:SBTL, Start of Yellow
Natural Cycle: 110
Control Type: Actuated-Coordinated

Splits and Phases: 2919: Harding Ave & 96th St



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	400	5	0	0	10	8	480	1953	11	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0	300		0	0		0
Storage Lanes	1		0	0		0	1		0	0		0
Taper Length (ft)	25			25			50			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		292			368			663			419	
Travel Time (s)		6.6			8.4			15.1			9.5	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	1%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%
Shared Lane Traffic (%)	49%											
Turn Type	Split	NA			NA		Prot	NA				
Protected Phases	4	4			8		5	2				
Permitted Phases												
Detector Phase	4	4			8		5	2				
Switch Phase												
Minimum Initial (s)	4.0	4.0			7.0		4.0	4.0				
Minimum Split (s)	25.0	25.0			12.0		24.0	31.0				
Total Split (s)	42.0	42.0			12.0		73.0	96.0				
Total Split (%)	28.0%	28.0%			8.0%		48.7%	64.0%				
Maximum Green (s)	35.1	35.1			7.0		68.0	91.0				
Yellow Time (s)	4.0	4.0			4.0		4.0	4.0				
All-Red Time (s)	2.9	2.9			1.0		1.0	1.0				
Lost Time Adjust (s)	-1.0	-1.0			-1.0		-1.0	-1.0				
Total Lost Time (s)	5.9	5.9			4.0		4.0	4.0				
Lead/Lag							Lag					
Lead-Lag Optimize?												
Vehicle Extension (s)	2.5	2.5			2.5		2.0	2.0				
Recall Mode	Max	Max			None		Max	C-Max				
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 132 (88%), Referenced to phase 2:NBT, Start of Yellow
Natural Cycle: 85
Control Type: Actuated-Coordinated

Splits and Phases: 3005: Collins Ave & 96th St

Lane Group	ø6
Lane Configurations	
Volume (vph)	
Ideal Flow (vphpl)	
Storage Length (ft)	
Storage Lanes	
Taper Length (ft)	
Right Turn on Red	
Link Speed (mph)	
Link Distance (ft)	
Travel Time (s)	
Peak Hour Factor	
Heavy Vehicles (%)	
Shared Lane Traffic (%)	
Turn Type	
Protected Phases	6
Permitted Phases	
Detector Phase	
Switch Phase	
Minimum Initial (s)	6.0
Minimum Split (s)	20.0
Total Split (s)	23.0
Total Split (%)	15%
Maximum Green (s)	21.0
Yellow Time (s)	2.0
All-Red Time (s)	0.0
Lost Time Adjust (s)	
Total Lost Time (s)	
Lead/Lag	Lead
Lead-Lag Optimize?	
Vehicle Extension (s)	2.0
Recall Mode	Ped
Walk Time (s)	5.0
Flash Dont Walk (s)	11.0
Pedestrian Calls (#/hr)	6

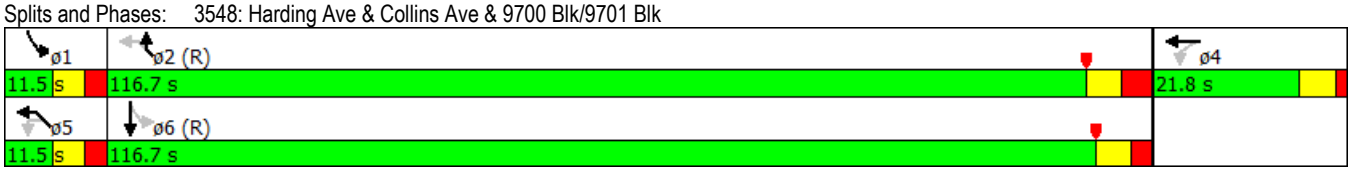
Intersection Summary

Lane Group	WBL	WBT	WBR	SBL2	SBT	SBR	NWL2	NWL	NWR	NWR2
Lane Configurations										
Volume (vph)	39	0	5	19	1814	4	6	4	2317	51
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0			0		100	0	
Storage Lanes	1		1			0		1	0	
Taper Length (ft)	25							50		
Right Turn on Red			Yes			Yes	Yes			Yes
Link Speed (mph)		30			30			30		
Link Distance (ft)		204			293			387		
Travel Time (s)		4.6			6.7			8.8		
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	0%	0%	0%	0%	1%	0%	0%	0%	1%	0%
Shared Lane Traffic (%)	50%									
Turn Type	Perm	NA	Free	pm+pt	NA		Perm	pm+pt	Prot	
Protected Phases		4		1	6			5	2	
Permitted Phases	4		Free	6	6		5	2		
Detector Phase	4	4		1	6		5	5	2	
Switch Phase										
Minimum Initial (s)	4.0	4.0		5.0	4.0		5.0	5.0	4.0	
Minimum Split (s)	21.5	21.5		11.2	21.0		11.2	11.2	21.0	
Total Split (s)	21.8	21.8		11.5	116.7		11.5	11.5	116.7	
Total Split (%)	14.5%	14.5%		7.7%	77.8%		7.7%	7.7%	77.8%	
Maximum Green (s)	16.3	16.3		5.3	110.2		5.3	5.3	109.2	
Yellow Time (s)	4.0	4.0		3.7	4.0		3.7	3.7	4.0	
All-Red Time (s)	1.5	1.5		2.5	2.5		2.5	2.5	3.5	
Lost Time Adjust (s)	-1.0	-1.0		1.0	-1.0			1.0	-1.0	
Total Lost Time (s)	4.5	4.5		7.2	5.5			7.2	6.5	
Lead/Lag				Lead	Lag		Lead	Lead	Lag	
Lead-Lag Optimize?										
Vehicle Extension (s)	2.5	2.5		2.0	2.0		2.5	2.5	2.0	
Recall Mode	None	None		None	C-Max		None	None	C-Max	
Walk Time (s)	5.0	5.0								
Flash Dont Walk (s)	11.0	11.0								
Pedestrian Calls (#/hr)	5	5								

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 144 (96%), Referenced to phase 2:NWL and 6:SBTL, Start of Yellow
Natural Cycle: 130
Control Type: Actuated-Coordinated

Splits and Phases: 3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	2	1124	0	0	795	2	366	0	51	4	0	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	11	11	11	11	11	11	11	11	14	11
Storage Length (ft)	75		0	0		0	0		0	0		0
Storage Lanes	1		0	0		0	2		0	0		0
Taper Length (ft)	25			25			25			50		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		296			275			570			107	
Travel Time (s)		6.7			6.3			13.0			2.4	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.95	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	100%	1%	0%	0%	1%	100%	0%	0%	0%	100%	0%	100%
Shared Lane Traffic (%)												
Turn Type	Perm	NA			NA		Split	NA		Split	NA	
Protected Phases		2			6		8	8		4	4	
Permitted Phases	2											
Detector Phase	2	2			6		8	8		4	4	
Switch Phase												
Minimum Initial (s)	4.0	4.0			4.0		4.0	4.0		5.0	5.0	
Minimum Split (s)	22.5	22.5			22.5		20.0	20.0		11.0	11.0	
Total Split (s)	97.0	97.0			97.0		40.0	40.0		13.0	13.0	
Total Split (%)	64.7%	64.7%			64.7%		26.7%	26.7%		8.7%	8.7%	
Maximum Green (s)	90.5	90.5			90.5		34.0	34.0		7.0	7.0	
Yellow Time (s)	4.0	4.0			4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.5	2.5			2.5		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0			0.0	
Total Lost Time (s)	6.5	6.5			6.5		6.0	6.0			6.0	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	1.0	1.0			1.0		2.0	2.0		2.0	2.0	
Recall Mode	C-Max	C-Max			C-Max		None	None		None	None	
Walk Time (s)	5.0	5.0			5.0							
Flash Dont Walk (s)	11.0	11.0			11.0							
Pedestrian Calls (#/hr)	0	0			0							

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 9 (6%), Referenced to phase 2:EBTL and 6:WBT, Start of Yellow
Natural Cycle: 60
Control Type: Actuated-Coordinated

Splits and Phases: 3648: Byron/Loading & 96th St

Lane Group	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Volume (vph)	6	69	929	28	1104	51	110	91
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)		125		25		0	0	0
Storage Lanes		1		1		0	2	1
Taper Length (ft)		50		25			25	
Right Turn on Red						Yes		Yes
Link Speed (mph)			30		30		30	
Link Distance (ft)			244		296		285	
Travel Time (s)			5.5		6.7		6.5	
Peak Hour Factor	0.94	0.94	0.94	0.94	1.00	0.94	0.94	0.94
Heavy Vehicles (%)	0%	0%	1%	0%	1%	0%	0%	0%
Shared Lane Traffic (%)								31%
Turn Type	pm+pt	pm+pt	NA	Perm	NA		Prot	Prot
Protected Phases	5	5	2		6		4	4
Permitted Phases	2	2		6				
Detector Phase	5	5	2	6	6		4	4
Switch Phase								
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0
Minimum Split (s)	9.7	9.7	21.0	21.0	21.0		21.0	21.0
Total Split (s)	21.0	21.0	121.0	100.0	100.0		29.0	29.0
Total Split (%)	14.0%	14.0%	80.7%	66.7%	66.7%		19.3%	19.3%
Maximum Green (s)	15.3	15.3	116.0	95.0	95.0		23.0	23.0
Yellow Time (s)	3.7	3.7	4.0	4.0	4.0		4.0	4.0
All-Red Time (s)	2.0	2.0	1.0	1.0	1.0		2.0	2.0
Lost Time Adjust (s)		0.0	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)		5.7	5.0	5.0	5.0		6.0	6.0
Lead/Lag	Lead	Lead		Lag	Lag			
Lead-Lag Optimize?								
Vehicle Extension (s)	2.0	2.0	2.0	2.0	2.0		2.0	2.0
Recall Mode	None	None	C-Max	C-Max	C-Max		None	None
Walk Time (s)			5.0	5.0	5.0			
Flash Dont Walk (s)			11.0	11.0	11.0			
Pedestrian Calls (#/hr)			0	0	0			

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 150
Offset: 83 (55%), Referenced to phase 2:EBTL and 6:WBTU, Start of Yellow
Natural Cycle: 60
Control Type: Actuated-Coordinated

Splits and Phases: 4344: 96th St & BHS South

5: Collins Ave & N Drive/Condo Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	14.1	12.5	13.6	13.7	13.5	13.5

9: Abbott & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	7.2	7.2	6.4	9.0	7.0	7.4

13: 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	2.2	1.7	1.5	1.8	1.6	1.7

16: Harding Ave & BHS S Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.1	0.0	0.0
Total Del/Veh (s)	2.5	2.0	2.3	3.0	2.6	2.5

25: Collins Ave Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.0	3.4	3.2	3.0	3.1	3.1

2919: Harding Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	23.1	23.5	23.2	24.6	23.7	23.6

3005: Collins Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	20.4	19.8	19.0	18.5	18.7	19.3

3006: Collins Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.8	3.2	3.6	6.1	5.0	4.3

3390: Harding Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.9	3.5	4.1	5.3	4.6	4.3

3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	4.1	4.3	4.9	4.8	4.2	4.5

3648: Byron/Loading & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.1	0.1
Total Del/Veh (s)	15.0	15.7	15.4	15.4	15.3	15.4

4344: 96th St & BHS South Performance by run number

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	8.3	9.5	9.2	8.9	8.9	8.9

Total Network Performance By Run

Run Number	1	2	3	4	5	Avg
Denied Del/Veh (s)	0.5	0.5	0.4	0.4	0.4	0.4
Total Del/Veh (s)	49.8	49.3	48.9	51.5	49.5	49.8

5: Collins Ave & N Drive/Condo Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.35	0.32	0.34	0.34	0.33	0.34

9: Abbott & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.17	0.17	0.16	0.19	0.17	0.17

13: 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.03	0.03	0.03	0.04	0.03	0.03

16: Harding Ave & BHS S Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.07	0.05	0.05	0.06	0.05	0.06

25: Collins Ave Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.00	0.00	0.00	0.00	0.00	0.00

2919: Harding Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.47	0.48	0.47	0.48	0.48	0.47

3005: Collins Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.48	0.47	0.46	0.46	0.46	0.47

3006: Collins Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.05	0.03	0.04	0.11	0.09	0.06

3390: Harding Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.11	0.09	0.12	0.15	0.11	0.12

3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.11	0.11	0.12	0.13	0.11	0.12

3648: Byron/Loading & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.33	0.35	0.34	0.35	0.34	0.34

4344: 96th St & BHS South Performance by run number

Run Number	1	2	3	4	5	Avg
Stop/Veh	0.22	0.23	0.23	0.22	0.22	0.23

Total Network Performance By Run

Run Number	1	2	3	4	5	Avg
Stop/Veh	1.06	1.03	1.04	1.09	1.04	1.05

5: Collins Ave & N Drive/Condo Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	17	18	17	17	18	17

9: Abbott & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	13	12	13	11	13	12

13: 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	21	22	23	22	22	22

16: Harding Ave & BHS S Dr Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	10	12	11	9	10	10

25: Collins Ave Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	26	25	26	26	26	26

2919: Harding Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	6	6	6	5	6	6

3005: Collins Ave & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	12	12	12	12	12	12

3006: Collins Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	21	21	21	17	19	20

3390: Harding Ave & U-turn Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	20	21	20	18	19	19

3548: Harding Ave & Collins Ave & 9700 Blk/9701 Blk Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	19	19	18	18	19	19

3648: Byron/Loading & 96th St Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	10	9	10	10	10	10

4344: 96th St & BHS South Performance by run number

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	12	11	11	11	11	11

Total Network Performance By Run

Run Number	1	2	3	4	5	Avg
Avg Speed (mph)	17	17	18	17	17	17