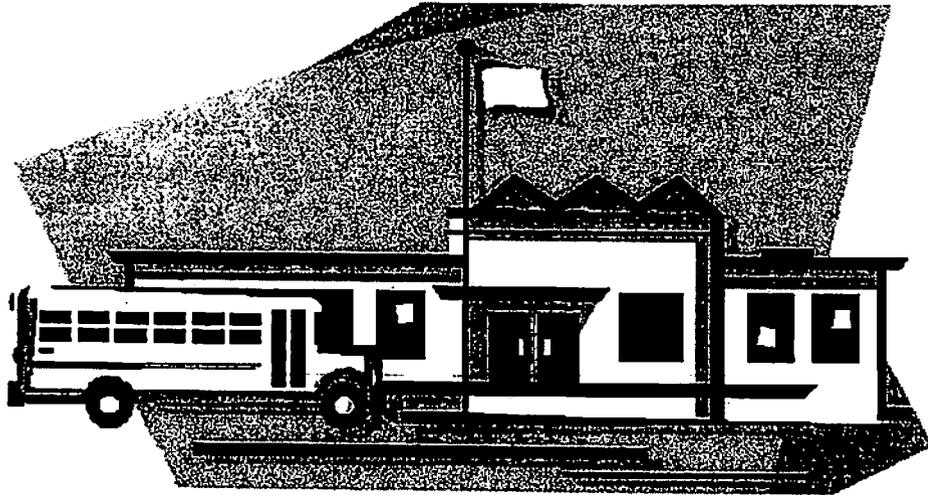


10 b. Accumulation Assessment Somerset UBC School

(3-25-10)

RG&A

Accumulation Assessment



Somerset UBC School

624 Anastasia Avenue
Coral Gables, Florida

March 25, 2010

Richard Garcia & Associates, Inc.

ENGINEER'S CERTIFICATION

I, Richard Garcia, P.E. # 54886, certify that I currently hold an active Professional Engineers License in the State of Florida and am competent through education and experience to provide engineering services in the civil and traffic engineering disciplines contained in this report. In addition, the firm Richard Garcia & Associates, Inc. holds a Certificate of Authorization # 9592 in the State of Florida. I further certify that this report was prepared by me or under my responsible charge as defined in Chapter 61G15-18.001 F.A.C. and that all statements, conclusions and recommendations made herein are true and correct to the best of my knowledge and ability.

PROJECT DESCRIPTION: Somerset UBC School – Accumulation Assessment

PROJECT LOCATION: 624 Anastasia Avenue
Coral Gables, Florida

Florida Registration No, 54886

Date



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Executive Summary

The purpose of this study is to evaluate the proposed arrival and dismissal queuing or Accumulation Assessment for the proposed school. This study consisted of analyzing a K-8 (Kindergarten through Eighth Grade) school with 735 students. The subject site is located at 624 Anastasia Avenue in the City of Coral Gables, Florida. This site is currently operating as a Private School, Day Care, Sunday school and Church.

In order to perform the Accumulation Assessment, queuing data was collected at the subject school (University Baptist Church of Coral Gables) during school's AM and PM peak period. In addition, we have utilized previously obtained data from the Doral Academy Elementary as the surrogate school data. Consistent with the requirements of Miami-Dade County, an Accumulation Assessment was performed for the school's AM and PM peak period to evaluate the proposed vehicle accumulations. This assessment consisted of taking information from a surrogate school and applying it to the proposed school.

The subject site will operate with a drop-off area to the west side of the parking area, close to the center driveway (exit only) on Cardena Street. This will allow the site to accommodate up to 31 passenger vehicles within the site. Moreover, the current site plan does not have a drop-off area for buses. A bus drop-off area on Anastasia Avenue or Segovia Street is also proposed using some of the existing angle parking. This area will revert to angled parking for the weekend and holiday usage of the church. The following results were obtained consistent with the recommendations provided herewith.

Based on the Accumulation Assessment results, the school will need two (2) arrivals and three (3) dismissals separated by 30-minute intervals to accommodate the required on-site stacking of vehicles. The AM Peak Accumulation Assessment yielded 16.77 passenger vehicles which correspond to 185 percent vehicles being accommodated within the site. The PM Peak Accumulation Assessment yielded 30.94 passenger vehicles for each dismissal, which correspond to 100 percent being accommodated. Furthermore, the proposed school is planning to provide a bus drop-off area for up to two (2) small school buses (or private vans) which exceeds the maximum projected accumulation of one (1) school bus during the school's AM and PM peak period.

Therefore, this report finds the subject school can accommodate 735 students in pre-K-8 with all passenger vehicles being queued within the site based on two (2) arrivals and three (3) dismissals. These arrivals and dismissals of students will be separated by a 30-minute interval in order to minimize or eliminate any vehicle stacking overlap.

Introduction

The purpose of this study is to perform an Accumulation Assessment for the proposed Somerset UBC School. This school is being proposed at the existing University Baptist Church of Coral Gables site that is currently operating as a Private School, Day Care, Sunday school and Church. Moreover, an Accumulation Assessment was performed for 735 students in pre-K-8 (pre-Kindergarten through Eighth) grade. This analysis is summarized as follows:

- **School (pre-K-8) with 735 Students**

Please note these assessments follow the guidelines of the Miami-Dade County adopted Accumulation Assessment Method. Lastly, this report has evaluated the following:

- Stacking/Queuing Area
- Accumulation Assessment
- Conclusion



Project Description / Location

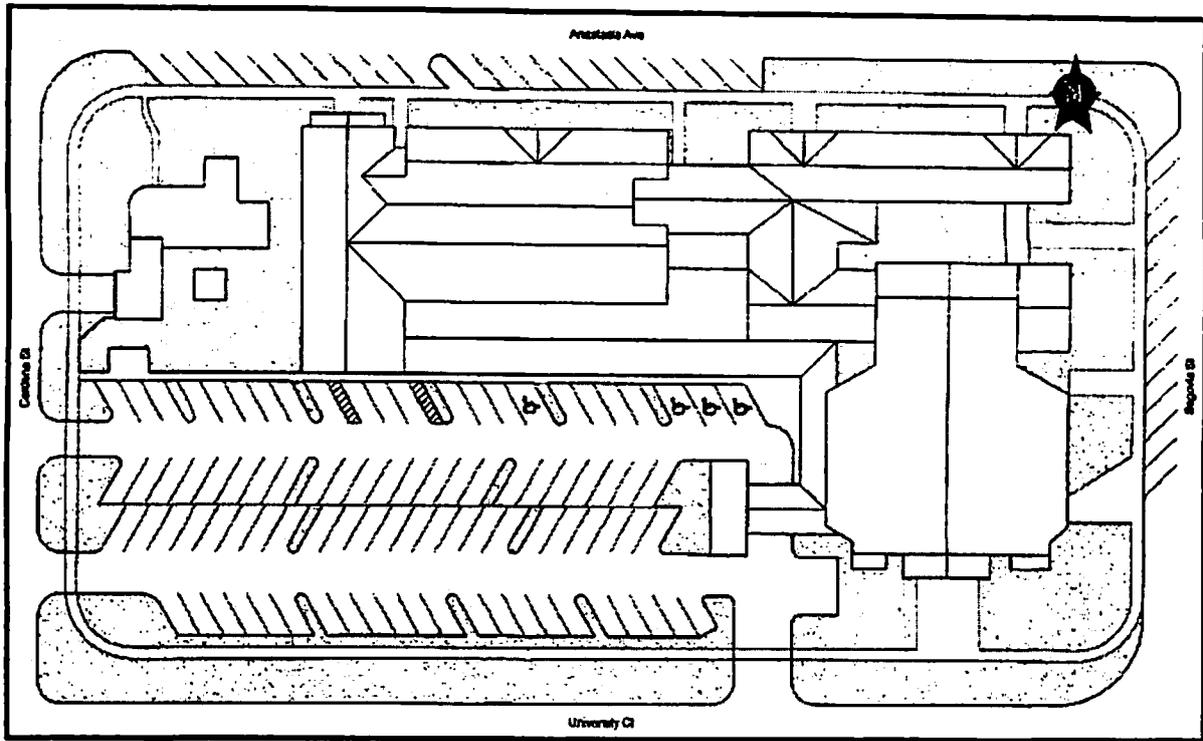
The subject site is located at 624 Anastasia Avenue in the City of Coral Gables, Florida. This area is a combination of single-family and multi-family (apartments) housing surrounding the site. This site is also adjacent to Coral Gables Youth Center and C.G. Public Library.

Vehicular access to the subject site is provided via two (2) driveways on Cardena Street and one (1) driveway on University Court. Please note the driveway closest to Anastasia Avenue is for a single car garage and was excluded herewith. Figure 1 depicts the site's location map while Figure 2 is the existing site plan, provided for illustrative purposes only.

Figure 1: Location Map



Figure 2: Existing Site Plan



Drop-Off & Stacking Area

The proposed drop-off area will be to the west side of the parking area, close to the center driveway (exit only) on Cardena Street. This will allow the site to accommodate up to 31 passenger vehicles within the site. A bus drop-off area on Anastasia Avenue or Segovia Street is also proposed using some of the existing angle parking. This area will revert to angled parking for the weekend and holiday usage of the church. Figure 3 below depicts the proposed drop-off and the stacking zones within the parking area while Table 1 summarizes the projected stacking area.

Figure 3: Proposed Drop-Off and Stacking Zones

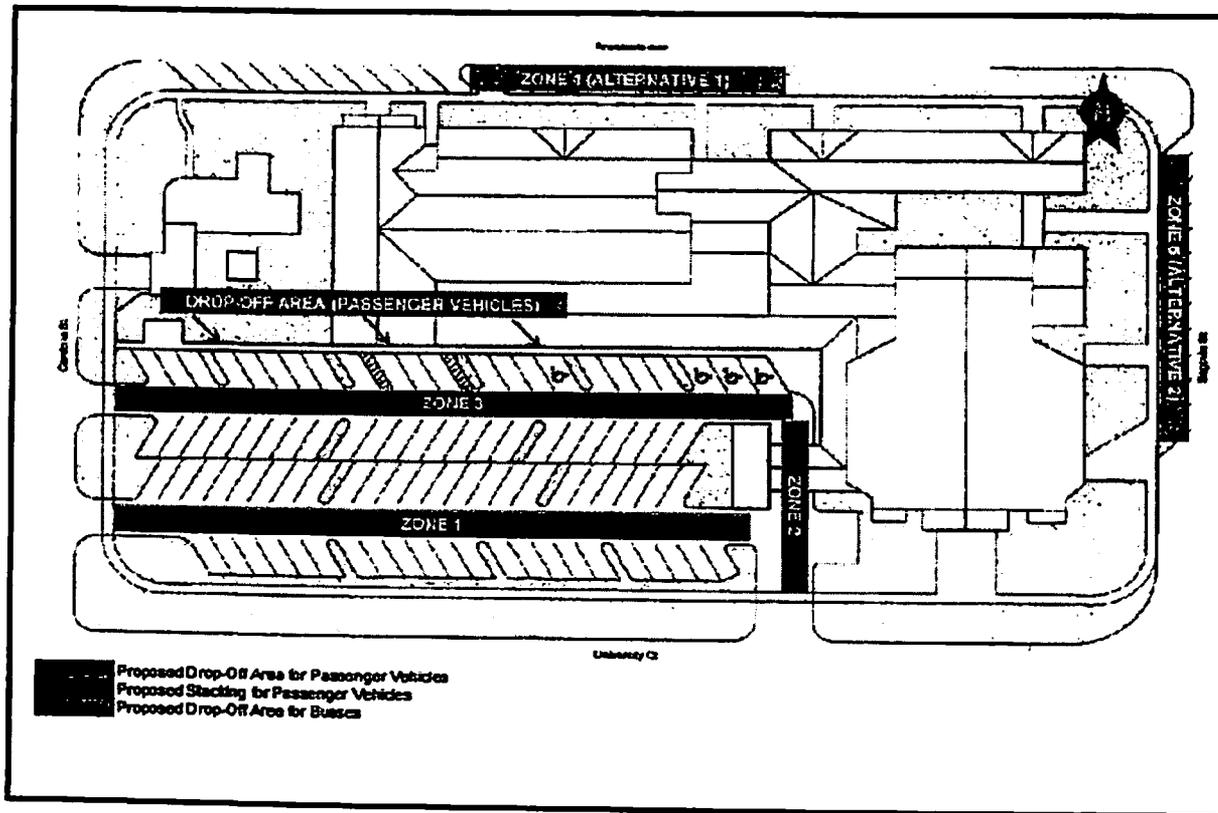


Table 1: Projected Stacking Area

1	Corridor from southernmost driveway on Cardena St to driveway on University Ct	290	LF	Car/Van	22	13
2	Corridor adjacent to driveway on University Ct	90	LF	Car/Van	22	4
3	Corridor from middle driveway on Cardena St to driveway on University Ct	310	LF	Car/Van	22	14
4	Bus Drop-Off Area	120	LF	Bus	50	2
OR						
5	Bus Drop-Off Area	120	LF	Bus	50	2
Total Passenger Vehicles Accommodated						31
Total Busses Accommodated						2

Notes: The zones are illustrated on Figure 3.

There is two alternatives for the bus drop-off (Zone 4 or 5).

Accumulation Assessment

Using the Miami-Dade County methodology, an Accumulation Assessment was performed to evaluate the queuing spaces provided on the site relevant to the projected accumulations. This assessment consisted of taking information from the surrogate school and applying it to the proposed school.

Data Collection

In order to perform the Accumulation Assessment, queuing data was collected at the surrogate school (University Baptist Church of Coral Gables) during school's AM and PM peak period. However, this data was not utilized since the University Baptist Church of Coral Gables is currently operating as a Daycare, Sunday school and Church. In addition, we have utilized previously obtained data from the Doral Academy Elementary as the surrogate school data. This data was collected on February 8 and February 9, 2010. Lastly, this data was applied to the proposed school in the Accumulation Assessment for the two (2) alternatives.

School (pre-K-8) with 735 Students

The analysis consists of a school with 735 students in grades pre-Kindergarten through Eight (pre-K-8). The AM Peak Accumulation Assessment yielded 16.77 passenger vehicles, which correspond to 185 percent vehicles being accommodated within the site. The PM Peak Accumulation Assessment yielded 30.94 passenger vehicles for each dismissal, which correspond to 100 percent being accommodated. Based on the recommended site plan modifications previously mentioned, the proposed school can accommodate two (2) small school buses (i.e. Private and Charter School buses are smaller than Public School buses) which exceeds the maximum projected accumulation of one (1) school bus during the school's AM and PM peak period. Table 2 summarizes the AM Peak Accumulation Assessment while Table 3 is the PM Peak Accumulation Assessment.

Table 2: AM Peak Accumulation Assessment (Two Arrivals)

New School Name	Somerset UBC (Pre-K-8) w/ 735 Students	
Surrogate School Name	Doral Academy Elementary	
Date / Day / Time of Data Collection	02/9/2010 7:00 AM - 9:00 AM	(collect maximum accumulation of staged loading vehicles at or around dismissal time on Tuesday, Wednesday or Thursday for elementary, middle, and/or high schools)
Surrogate Enrollment	768	Total number of students, E
Capacity of New School	368	Student Stations, C (First-368 & Second-367 Arrival)
Multiplier	0.48	[C / E]
Surrogate Accumulations	35	passenger vehicles (including commercial vans)
	1	large school buses
Projected Accumulations	16.77	passenger vehicles
	0.48	large school buses
	N/A	student vehicles
Provided Spaces	31	passenger vehicles (See Table A1)
	2	large school buses
Percent Accommodated	185%	passenger vehicles
	417%	large school buses



Table 3: PM Peak Accumulation Assessment (Three Dismissals)

New School Name	Somerset UBC (Pre-K-8) w/ 735 Students	
Surrogate School Name	Doral Academy Elementary	
Date / Day / Time of Data Collection	02/8/2010 1:30 PM - 4:00 PM	<small>(collect maximum accumulation of staged loading vehicles at or around dismissal time on Tuesday, Wednesday or Thursday for elementary, middle, and/or high schools)</small>
Surrogate Enrollment	768	Total number of students, E
Capacity of New School	245	Student Stations, C (First, Second & Third Dismissal) (245 Students Ea.)
Multiplier	0.32	[C / E]
Surrogate Accumulations	97	passenger vehicles (including commercial vans)
	1	large school buses
	N/A	student vehicles (for high schools only)
Projected Accumulations	30.94	passenger vehicles
	0.32	large school buses
Provided Spaces	31	passenger vehicles (See Table A1)
	2	large school buses
Percent Accommodated	100%	passenger vehicles
	627%	large school buses

Conclusion

This report contains an Accumulation Assessment for the proposed school at the existing University Baptist Church of Coral Gables that is currently operating as a Private School, Day Care, Sunday school and Church. This analysis consisted of a school with 735 students in grades pre-Kindergarten through Eight (pre-K-8).

Based on the Accumulation Assessment results, the school will use two (2) arrivals and three (3) staggered dismissals separated by 30 minute intervals. The AM Peak Accumulation Assessment yielded 16.77 passenger vehicles which correspond to 185 percent vehicles being accommodated within the site. The PM Peak Accumulation Assessment yielded 30.94 passenger vehicles for each dismissal which correspond to 100 percent being accommodated. Furthermore, the proposed school is planning to provide a bus drop-off area for up to two (2) school buses which exceeds the maximum projected accumulation of one (1) school bus during the school's AM and PM peak period.

Therefore, this report finds the subject school can accommodate 735 students in pre-K-8 with all passenger vehicles being queued within the site based on two (2) arrivals and three (3) dismissals. Again, these arrivals and dismissals of students will be separated by a 30 minute interval in order to minimize or eliminate any vehicle stacking overlap.

Appendix A: Data Collection



Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
 School Address: 2450 NW 97 Avenue, Doral FL
 Location: Parent & Bus Drop-Off

Weather: Clear
 Date: 2/9/2010
 Technician: CV

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
7:00 AM	1	0	2	1	0	0	0
7:01 AM	0	0	1	1	0	0	0
7:02 AM	1	0	0	2	0	0	0
7:03 AM	0	0	0	2	0	0	0
7:04 AM	0	2	0	0	0	0	0
7:05 AM	1	0	2	1	0	0	0
7:06 AM	1	0	0	2	0	0	0
7:07 AM	1	2	2	1	0	0	0
7:08 AM	1	2	0	0	0	0	0
7:09 AM	0	0	0	0	0	0	0
7:10 AM	1	0	0	1	0	0	0
7:11 AM	1	1	2	1	0	0	0
7:12 AM	2	0	0	3	0	0	0
7:13 AM	1	1	0	3	0	0	0
7:14 AM	0	1	0	2	0	0	0
7:15 AM	1	0	0	3	0	0	0
7:16 AM	2	1	0	4	0	0	0
7:17 AM	0	0	3	4	0	0	0
7:18 AM	2	0	0	6	0	0	0
7:19 AM	2	1	4	7	0	0	0
7:20 AM	2	2	2	7	0	0	0
7:21 AM	2	1	0	8	0	0	0
7:22 AM	2	1	0	9	0	0	0
7:23 AM	3	2	5	10	0	0	0
7:24 AM	3	2	2	11	0	0	0
7:25 AM	2	3	3	10	0	0	0
7:26 AM	2	3	1	9	0	0	0
7:27 AM	1	3	2	7	0	0	0
7:28 AM	3	2	0	8	0	0	0
7:29 AM	2	3	1	7	0	0	0
7:30 AM	2	3	0	6	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
 School Address: 2450 NW 97 Avenue, Doral FL
 Location: Parent & Bus Drop-Off

Weather: Clear
 Date: 2/9/2010
 Technician: CV

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
7:31 AM	3	3	3	8	0	0	0
7:32 AM	1	0	2	7	0	0	0
7:33 AM	2	2	4	7	0	0	0
7:34 AM	3	2	0	8	0	0	0
7:35 AM	2	4	2	6	0	0	0
7:36 AM	2	1	0	7	0	0	0
7:37 AM	2	3	0	6	0	0	0
7:38 AM	2	1	4	7	0	0	0
7:39 AM	3	2	2	8	0	0	0
7:40 AM	2	2	0	8	0	0	0
7:41 AM	4	9	0	3	0	0	0
7:42 AM	3	1	3	5	0	0	0
7:43 AM	3	0	0	8	0	0	0
7:44 AM	4	8	1	4	0	0	0
7:45 AM	4	4	3	4	1	0	1
7:46 AM	2	3	0	3	0	0	1
7:47 AM	7	3	4	7	0	0	1
7:48 AM	3	2	1	8	0	0	1
7:49 AM	7	4	0	11	0	0	1
7:50 AM	5	4	0	12	0	0	1
7:51 AM	2	2	0	12	0	0	1
7:52 AM	4	6	0	10	0	0	1
7:53 AM	9	6	0	13	0	0	1
7:54 AM	6	5	0	14	0	0	1
7:55 AM	3	2	0	15	0	0	1
7:56 AM	4	8	0	11	0	0	1
7:57 AM	3	1	0	13	0	0	1
7:58 AM	3	5	0	11	0	0	1
7:59 AM	7	4	0	14	0	0	1
8:00 AM	4	6	0	12	0	0	1

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
School Address: 2450 NW 97 Avenue, Doral FL
Location: Parent & Bus Drop-Off

Weather: Clear
Date: 2/9/2010
Technician: CV

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
8:01 AM	8	6	0	14	0	0	1
8:02 AM	6	5	0	15	0	0	1
8:03 AM	8	9	0	14	0	0	1
8:04 AM	1	5	0	10	0	0	1
8:05 AM	8	6	0	12	0	1	0
8:06 AM	5	6	0	11	0	0	0
8:07 AM	8	3	3	16	0	0	0
8:08 AM	6	7	0	15	0	0	0
8:09 AM	5	5	0	15	0	0	0
8:10 AM	12	7	0	20	0	0	0
8:11 AM	5	0	0	25	0	0	0
8:12 AM	9	8	0	26	0	0	0
8:13 AM	7	9	0	24	0	0	0
8:14 AM	7	5	0	26	0	0	0
8:15 AM	7	9	0	24	0	0	0
8:16 AM	9	9	0	24	0	0	0
8:17 AM	7	5	0	26	0	0	0
8:18 AM	10	7	0	29	0	0	0
8:19 AM	6	7	0	28	0	0	0
8:20 AM	4	4	0	28	0	0	0
8:21 AM	6	6	1	28	0	0	0
8:22 AM	8	6	0	30	0	0	0
8:23 AM	11	6	0	25	0	0	0
8:24 AM	8	9	0	32	0	0	0
8:25 AM	10	9	0	33	0	0	0
8:26 AM	10	9	0	34	0	0	0
8:27 AM	4	7	0	31	0	0	0
8:28 AM	10	6	2	35	0	0	0
8:29 AM	6	10	0	31	0	0	0
8:30 AM	3	4	1	30	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
School Address: 2450 NW 97 Avenue, Doral FL
Location: Parent & Bus Drop-Off

Weather: Clear
Date: 2/9/2010
Technician: CV

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
8:31 AM	10	11	0	29	0	0	0
8:32 AM	10	12	0	27	0	0	0
8:33 AM	5	5	0	27	0	0	0
8:34 AM	1	8	0	20	0	0	0
8:35 AM	5	5	0	20	0	0	0
8:36 AM	2	8	0	14	0	0	0
8:37 AM	4	2	0	18	0	0	0
8:38 AM	5	8	0	15	0	0	0
8:39 AM	2	2	0	15	0	0	0
8:40 AM	1	4	0	12	0	0	0
8:41 AM	2	3	0	11	0	0	0
8:42 AM	1	3	0	9	0	0	0
8:43 AM	2	6	0	5	0	0	0
8:44 AM	1	3	0	3	0	0	0
8:45 AM	0	2	0	1	0	0	0
8:46 AM	0	1	0	0	0	0	0
8:47 AM	0	0	0	0	0	0	0
8:48 AM	0	0	0	0	0	0	0
8:49 AM	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0
8:51 AM	0	0	0	0	0	0	0
8:52 AM	0	0	0	0	0	0	0
8:53 AM	0	0	0	0	0	0	0
8:54 AM	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0
8:56 AM	0	0	0	0	0	0	0
8:57 AM	0	0	0	0	0	0	0
8:58 AM	0	0	0	0	0	0	0
8:59 AM	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
School Address: 2450 NW 97 Avenue, Doral FL
Location: Parent & Bus Drop-Off

Weather: Clear
Date: 2/8/2010
Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
1:30 PM	0	0	0	0	0	0
1:31 PM	0	0	0	0	0	0
1:32 PM	0	0	0	0	0	0
1:33 PM	0	0	0	0	0	0
1:34 PM	0	0	0	0	0	0
1:35 PM	1	1	0	0	0	0
1:36 PM	0	0	0	0	0	0
1:37 PM	0	0	0	0	0	0
1:38 PM	2	0	2	0	0	0
1:39 PM	1	0	3	0	0	0
1:40 PM	1	0	4	0	0	0
1:41 PM	4	1	7	0	0	0
1:42 PM	1	0	8	0	0	0
1:43 PM	0	0	8	0	0	0
1:44 PM	1	1	8	0	0	0
1:45 PM	1	0	9	0	0	0
1:46 PM	0	0	9	0	0	0
1:47 PM	0	0	9	0	0	0
1:48 PM	1	0	10	0	0	0
1:49 PM	0	1	9	0	0	0
1:50 PM	2	0	11	0	0	0
1:51 PM	3	0	14	0	0	0
1:52 PM	3	2	15	0	0	0
1:53 PM	0	0	15	0	0	0
1:54 PM	1	0	16	0	0	0
1:55 PM	4	0	20	0	0	0
1:56 PM	4	2	22	0	0	0
1:57 PM	2	0	24	0	0	0
1:58 PM	0	1	23	0	0	0
1:59 PM	1	0	24	0	0	0
2:00 PM	6	0	30	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
School Address: 2450 NW 97 Avenue, Doral FL
Location: Parent & Bus Drop-Off

Weather: Clear
Date: 2/8/2010
Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
2:01 PM	3	2	31	0	0	0
2:02 PM	1	1	31	0	0	0
2:03 PM	3	1	31	0	0	0
2:04 PM	1	2	32	1	0	1
2:05 PM	2	2	32	0	0	1
2:06 PM	3	3	32	0	1	0
2:07 PM	0	1	31	0	0	0
2:08 PM	2	1	32	0	0	0
2:09 PM	3	3	32	0	0	0
2:10 PM	4	3	33	0	0	0
2:11 PM	1	2	32	0	0	0
2:12 PM	1	1	32	0	0	0
2:13 PM	2	6	28	0	0	0
2:14 PM	0	2	28	0	0	0
2:15 PM	2	0	28	0	0	0
2:16 PM	0	2	26	0	0	0
2:17 PM	2	7	21	0	0	0
2:18 PM	2	3	20	0	0	0
2:19 PM	0	0	20	0	0	0
2:20 PM	0	3	17	0	0	0
2:21 PM	4	0	21	0	0	0
2:22 PM	0	0	21	0	0	0
2:23 PM	0	0	21	0	0	0
2:24 PM	2	0	23	0	0	0
2:25 PM	2	1	24	0	0	0
2:26 PM	1	0	25	0	0	0
2:27 PM	2	0	27	0	0	0
2:28 PM	1	0	28	0	0	0
2:29 PM	0	0	28	0	0	0
2:30 PM	2	1	29	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
 School Address: 2450 NW 97 Avenue, Doral FL
 Location: Parent & Bus Drop-Off

Weather: Clear
 Date: 2/8/2010
 Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
2:31 PM	1	1	29	0	0	0
2:32 PM	1	3	27	0	0	0
2:33 PM	2	1	28	0	0	0
2:34 PM	3	1	30	0	0	0
2:35 PM	4	2	32	0	0	0
2:36 PM	0	0	32	0	0	0
2:37 PM	2	1	33	0	0	0
2:38 PM	0	1	32	0	0	0
2:39 PM	4	1	35	0	0	0
2:40 PM	7	0	42	0	0	0
2:41 PM	6	0	48	0	0	0
2:42 PM	5	0	53	0	0	0
2:43 PM	3	0	56	0	0	0
2:44 PM	1	0	57	0	0	0
2:45 PM	4	1	60	0	0	0
2:46 PM	2	0	62	0	0	0
2:47 PM	5	0	67	0	0	0
2:48 PM	1	0	68	0	0	0
2:49 PM	6	0	74	0	0	0
2:50 PM	2	0	76	0	0	0
2:51 PM	3	1	78	0	0	0
2:52 PM	6	2	82	0	0	0
2:53 PM	3	0	85	0	0	0
2:54 PM	7	0	92	0	0	0
2:55 PM	3	2	93	1	0	1
2:56 PM	1	1	93	0	0	1
2:57 PM	3	2	94	0	0	1
2:58 PM	3	0	92	0	0	1
2:59 PM	1	2	96	0	0	1
3:00 PM	3	7	92	0	0	1

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
School Address: 2450 NW 97 Avenue, Doral FL
Location: Parent & Bus Drop-Off

Weather: Clear
Date: 2/8/2010
Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
3:01 PM	0	6	86	0	0	1
3:02 PM	5	3	88	0	0	1
3:03 PM	2	2	88	0	0	1
3:04 PM	1	11	78	0	0	1
3:05 PM	3	8	73	0	0	1
3:06 PM	3	10	66	0	1	0
3:07 PM	5	5	68	0	0	0
3:08 PM	3	9	60	0	0	0
3:09 PM	6	6	60	0	0	0
3:10 PM	3	10	53	0	0	0
3:11 PM	2	5	50	0	0	0
3:12 PM	3	8	47	0	0	0
3:13 PM	4	7	44	0	0	0
3:14 PM	3	5	42	0	0	0
3:15 PM	5	6	41	0	0	0
3:16 PM	5	6	40	0	0	0
3:17 PM	0	6	34	0	0	0
3:18 PM	2	5	31	0	0	0
3:19 PM	0	6	25	0	0	0
3:20 PM	1	5	21	0	0	0
3:21 PM	1	6	16	0	0	0
3:22 PM	3	4	15	0	0	0
3:23 PM	2	1	16	0	0	0
3:24 PM	0	1	15	0	0	0
3:25 PM	0	4	11	0	0	0
3:26 PM	0	0	11	0	0	0
3:27 PM	0	3	8	0	0	0
3:28 PM	3	5	6	0	0	0
3:29 PM	0	1	5	0	0	0
3:30 PM	0	2	3	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: Doral Academy Elementary
 School Address: 2450 NW 97 Avenue, Doral FL
 Location: Parent & Bus Drop-Off

Weather: Clear
 Date: 2/8/2010
 Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
3:31 PM	1	0	4	0	0	0
3:32 PM	1	1	4	0	0	0
3:33 PM	0	2	2	0	0	0
3:04 PM	1	2	1	0	0	0
3:35 PM	0	0	1	0	0	0
3:36 PM	0	1	0	0	0	0
3:37 PM	1	1	0	0	0	0
3:38 PM	0	0	0	0	0	0
3:39 PM	0	0	0	0	0	0
3:40 PM	0	0	0	0	0	0
3:41 PM	0	0	0	0	0	0
3:42 PM	0	0	0	0	0	0
3:43 PM	0	0	0	0	0	0
3:44 PM	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0
3:46 PM	0	0	0	0	0	0
3:47 PM	0	0	0	0	0	0
3:48 PM	0	0	0	0	0	0
3:49 PM	0	0	0	0	0	0
3:50 PM	0	0	0	0	0	0
3:51 PM	0	0	0	0	0	0
3:52 PM	0	0	0	0	0	0
3:53 PM	0	0	0	0	0	0
3:54 PM	0	0	0	0	0	0
3:55 PM	0	0	0	0	0	0
3:56 PM	0	0	0	0	0	0
3:57 PM	0	0	0	0	0	0
3:58 PM	0	0	0	0	0	0
3:59 PM	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CV/RG

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
7:00 AM	0	0	0	0	0	0	0
7:01 AM	0	0	0	0	0	0	0
7:02 AM	0	0	0	0	0	0	0
7:03 AM	0	0	0	0	0	0	0
7:04 AM	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0
7:06 AM	0	0	0	0	0	0	0
7:07 AM	0	0	0	0	0	0	0
7:08 AM	0	0	0	0	0	0	0
7:09 AM	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0
7:11 AM	0	0	0	0	0	0	0
7:12 AM	0	0	0	0	0	0	0
7:13 AM	0	0	0	0	0	0	0
7:14 AM	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0
7:16 AM	1	0	0	1	0	0	0
7:17 AM	0	0	0	1	0	0	0
7:18 AM	0	1	0	0	0	0	0
7:19 AM	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0
7:21 AM	0	0	1	0	0	0	0
7:22 AM	0	0	1	0	0	0	0
7:23 AM	0	0	0	0	0	0	0
7:24 AM	0	0	1	0	0	0	0
7:25 AM	0	0	0	0	0	0	0
7:26 AM	0	0	0	0	0	0	0
7:27 AM	0	0	0	0	0	0	0
7:28 AM	0	0	0	0	0	0	0
7:29 AM	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
 School Address: 824 Anastasia Avenue, Coral Gables
 Location: Parent Drop-Off

Weather: Clear
 Date: 2/25/2010
 Technician: CV/RG

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
7:31 AM	0	0	0	0	0	0	0
7:32 AM	0	0	0	0	0	0	0
7:33 AM	0	0	0	0	0	0	0
7:34 AM	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0
7:36 AM	0	0	0	0	0	0	0
7:37 AM	0	0	0	0	0	0	0
7:38 AM	0	0	0	0	0	0	0
7:39 AM	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0
7:41 AM	0	0	0	0	0	0	0
7:42 AM	0	0	0	0	0	0	0
7:43 AM	0	0	0	0	0	0	0
7:44 AM	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0
7:46 AM	0	0	0	0	0	0	0
7:47 AM	0	0	0	0	0	0	0
7:48 AM	0	0	0	0	0	0	0
7:49 AM	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0
7:51 AM	0	0	1	0	0	0	0
7:52 AM	0	0	0	0	0	0	0
7:53 AM	0	0	0	0	0	0	0
7:54 AM	1	0	0	1	0	0	0
7:55 AM	0	0	0	1	0	0	0
7:56 AM	0	0	0	1	0	0	0
7:57 AM	0	0	0	1	0	0	0
7:58 AM	0	1	0	0	0	0	0
7:59 AM	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0

Surrogate School

Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CV/RG

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
8:01 AM	0	0	0	0	0	0	0
8:02 AM	0	0	0	0	0	0	0
8:03 AM	0	0	1	0	0	0	0
8:04 AM	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0
8:06 AM	0	0	0	0	0	0	0
8:07 AM	0	0	0	0	0	0	0
8:08 AM	0	0	0	0	0	0	0
8:09 AM	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0
8:11 AM	0	0	0	0	0	0	0
8:12 AM	0	0	0	0	0	0	0
8:13 AM	0	0	0	0	0	0	0
8:14 AM	0	0	1	0	0	0	0
8:15 AM	0	0	1	0	0	0	0
8:16 AM	0	0	0	0	0	0	0
8:17 AM	0	0	0	0	0	0	0
8:18 AM	0	0	0	0	0	0	0
8:19 AM	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0
8:21 AM	1	0	0	1	0	0	0
8:22 AM	0	0	0	1	0	0	0
8:23 AM	0	0	0	1	0	0	0
8:24 AM	0	0	0	1	0	0	0
8:25 AM	0	0	1	1	0	0	0
8:26 AM	0	0	0	1	0	0	0
8:27 AM	0	1	0	0	0	0	0
8:28 AM	0	0	0	0	0	0	0
8:29 AM	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CV/RG

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
8:31 AM	0	0	0	0	0	0	0
8:32 AM	0	0	0	0	0	0	0
8:33 AM	0	0	0	0	0	0	0
8:34 AM	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0
8:36 AM	0	0	0	0	0	0	0
8:37 AM	0	0	1	0	0	0	0
8:38 AM	0	0	0	0	0	0	0
8:39 AM	0	0	2	0	0	0	0
8:40 AM	0	0	0	0	0	0	0
8:41 AM	0	0	0	0	0	0	0
8:42 AM	0	0	0	0	0	0	0
8:43 AM	0	0	0	0	0	0	0
8:44 AM	0	0	1	0	0	0	0
8:45 AM	0	0	0	0	0	0	0
8:46 AM	1	0	0	1	0	0	0
8:47 AM	0	0	0	1	0	0	0
8:48 AM	0	0	0	1	0	0	0
8:49 AM	2	0	0	3	0	0	0
8:50 AM	1	0	0	4	0	0	0
8:51 AM	0	0	0	4	0	0	0
8:52 AM	0	0	1	4	0	0	0
8:53 AM	2	0	0	6	0	0	0
8:54 AM	1	0	0	7	0	0	0
8:55 AM	0	0	0	7	0	0	0
8:56 AM	1	1	0	7	0	0	0
8:57 AM	2	1	0	8	0	0	0
8:58 AM	1	1	0	8	0	0	0
8:59 AM	2	0	0	10	0	0	0
9:00 AM	1	0	0	11	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
 School Address: 624 Anastasia Avenue, Coral Gables
 Location: Parent Drop-Off

Weather: Clear
 Date: 2/25/2010
 Technician: CV/RG

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
9:01 AM	2	1	0	12	0	0	0
9:02 AM	0	3	0	9	0	0	0
9:03 AM	3	1	0	11	0	0	0
9:04 AM	1	1	0	11	0	0	0
9:05 AM	0	1	0	10	0	0	0
9:06 AM	0	2	0	8	0	0	0
9:07 AM	2	1	0	9	0	0	0
9:08 AM	1	0	0	10	0	0	0
9:09 AM	0	0	0	10	0	0	0
9:10 AM	0	1	0	9	0	0	0
9:11 AM	1	1	0	9	0	0	0
9:12 AM	1	0	0	10	0	0	0
9:13 AM	0	0	0	10	0	0	0
9:14 AM	0	1	0	9	0	0	0
9:15 AM	0	1	0	8	0	0	0
9:16 AM	1	0	0	9	0	0	0
9:17 AM	2	0	0	11	0	0	0
9:18 AM	1	2	0	10	0	0	0
9:19 AM	1	1	0	10	0	0	0
9:20 AM	0	1	0	9	0	0	0
9:21 AM	0	0	0	9	0	0	0
9:22 AM	0	1	0	8	0	0	0
9:23 AM	1	0	0	9	0	0	0
9:24 AM	1	2	0	8	0	0	0
9:25 AM	0	0	0	8	0	0	0
9:26 AM	1	1	0	8	0	0	0
9:27 AM	0	0	0	8	0	0	0
9:28 AM	0	0	0	8	0	0	0
9:29 AM	0	2	0	6	0	0	0
9:30 AM	1	1	0	6	0	0	0

Surrogate School

Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CVIRG

AM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Parked	Cars Queued	Bus-In	Bus-Out	Bus Queued
9:31 AM	0	0	0	8	0	0	0
9:32 AM	0	0	0	6	0	0	0
9:33 AM	1	0	0	7	0	0	0
9:34 AM	1	0	0	8	0	0	0
9:35 AM	1	0	0	9	0	0	0
9:36 AM	0	1	0	8	0	0	0
9:37 AM	0	0	0	8	0	0	0
9:38 AM	0	0	0	8	0	0	0
9:39 AM	0	0	0	8	0	0	0
9:40 AM	0	0	0	8	0	0	0
9:41 AM	0	0	0	8	0	0	0
9:42 AM	0	0	0	8	0	0	0
9:43 AM	0	0	0	8	0	0	0
9:44 AM	0	0	0	8	0	0	0
9:45 AM	0	0	0	8	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
2:00 PM	0	0	0	0	0	0
2:01 PM	0	0	0	0	0	0
2:02 PM	0	0	0	0	0	0
2:03 PM	0	0	0	0	0	0
2:04 PM	0	0	0	0	0	0
2:05 PM	0	0	0	0	0	0
2:06 PM	0	0	0	0	0	0
2:07 PM	0	0	0	0	0	0
2:08 PM	0	0	0	0	0	0
2:09 PM	0	0	0	0	0	0
2:10 PM	0	0	0	0	0	0
2:11 PM	0	0	0	0	0	0
2:12 PM	0	0	0	0	0	0
2:13 PM	0	0	0	0	0	0
2:14 PM	0	0	0	0	0	0
2:15 PM	0	0	0	0	0	0
2:16 PM	0	0	0	0	0	0
2:17 PM	0	0	0	0	0	0
2:18 PM	0	0	0	0	0	0
2:19 PM	0	0	0	0	0	0
2:20 PM	0	0	0	0	0	0
2:21 PM	0	0	0	0	0	0
2:22 PM	0	0	0	0	0	0
2:23 PM	0	0	0	0	0	0
2:24 PM	0	0	0	0	0	0
2:25 PM	1	0	1	0	0	0
2:26 PM	1	0	2	0	0	0
2:27 PM	0	0	2	0	0	0
2:28 PM	0	1	1	0	0	0
2:29 PM	0	0	1	0	0	0
2:30 PM	0	0	1	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
 School Address: 624 Anastasia Avenue, Coral Gables
 Location: Parent Drop-Off

Weather: Clear
 Date: 2/25/2010
 Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
2:31 PM	1	1	1	0	0	0
2:32 PM	0	0	1	0	0	0
2:33 PM	0	0	1	0	0	0
2:34 PM	0	0	1	0	0	0
2:35 PM	0	0	1	0	0	0
2:36 PM	0	0	1	0	0	0
2:37 PM	0	0	1	0	0	0
2:38 PM	1	0	2	0	0	0
2:39 PM	0	1	1	0	0	0
2:40 PM	0	0	1	0	0	0
2:41 PM	1	1	1	0	0	0
2:42 PM	0	0	1	0	0	0
2:43 PM	0	0	1	0	0	0
2:44 PM	0	1	0	0	0	0
2:45 PM	0	0	0	0	0	0
2:46 PM	0	0	0	0	0	0
2:47 PM	0	0	0	0	0	0
2:48 PM	0	0	0	0	0	0
2:49 PM	0	0	0	0	0	0
2:50 PM	0	0	0	0	0	0
2:51 PM	0	0	0	0	0	0
2:52 PM	0	0	0	0	0	0
2:53 PM	0	0	0	0	0	0
2:54 PM	0	0	0	0	0	0
2:55 PM	0	0	0	0	0	0
2:56 PM	0	0	0	0	0	0
2:57 PM	0	0	0	0	0	0
2:58 PM	0	0	0	0	0	0
2:59 PM	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0

Surrogate School

Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
3:01 PM	0	0	0	0	0	0
3:02 PM	0	0	0	0	0	0
3:03 PM	1	0	1	0	0	0
3:04 PM	0	0	1	0	0	0
3:05 PM	0	0	1	0	0	0
3:06 PM	0	0	1	0	0	0
3:07 PM	0	0	1	0	0	0
3:08 PM	0	0	1	0	0	0
3:09 PM	0	0	1	0	0	0
3:10 PM	0	0	1	0	0	0
3:11 PM	0	0	1	0	0	0
3:12 PM	0	0	1	0	0	0
3:13 PM	0	0	1	0	0	0
3:14 PM	0	0	1	0	0	0
3:15 PM	0	0	1	0	0	0
3:16 PM	0	0	1	0	0	0
3:17 PM	0	0	1	0	0	0
3:18 PM	0	0	1	0	0	0
3:19 PM	0	1	0	0	0	0
3:20 PM	0	0	0	0	0	0
3:21 PM	0	0	0	0	0	0
3:22 PM	0	0	0	0	0	0
3:23 PM	0	0	0	0	0	0
3:24 PM	0	0	0	0	0	0
3:25 PM	0	0	0	0	0	0
3:26 PM	0	0	0	0	0	0
3:27 PM	0	0	0	0	0	0
3:28 PM	0	0	0	0	0	0
3:29 PM	0	0	0	0	0	0
3:30 PM	1	0	1	0	0	0

Surrogate School

Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
 School Address: 624 Anastasia Avenue, Coral Gables
 Location: Parent Drop-Off

Weather: Clear
 Date: 2/25/2010
 Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
3:31 PM	0	0	1	0	0	0
3:32 PM	0	0	1	0	0	0
3:33 PM	0	1	0	0	0	0
3:34 PM	0	0	0	0	0	0
3:35 PM	0	0	0	0	0	0
3:36 PM	0	0	0	0	0	0
3:37 PM	0	0	0	0	0	0
3:38 PM	0	0	0	0	0	0
3:39 PM	0	0	0	0	0	0
3:40 PM	0	0	0	0	0	0
3:41 PM	0	0	0	0	0	0
3:42 PM	0	0	0	0	0	0
3:43 PM	0	0	0	0	0	0
3:44 PM	0	0	0	0	0	0
3:45 PM	1	0	1	0	0	0
3:46 PM	0	0	1	0	0	0
3:47 PM	1	1	1	0	0	0
3:48 PM	0	0	1	0	0	0
3:49 PM	0	0	1	0	0	0
3:50 PM	0	0	1	0	0	0
3:51 PM	0	0	1	0	0	0
3:52 PM	1	0	2	0	0	0
3:53 PM	0	1	1	0	0	0
3:54 PM	0	1	0	0	0	0
3:55 PM	0	0	0	0	0	0
3:56 PM	0	0	0	0	0	0
3:57 PM	0	0	0	0	0	0
3:58 PM	2	0	2	0	0	0
3:59 PM	1	0	3	0	0	0
4:00 PM	0	0	3	0	0	0

Surrogate School

Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
 School Address: 624 Anastasia Avenue, Coral Gables
 Location: Parent Drop-Off

Weather: Clear
 Date: 2/25/2010
 Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
4:01 PM	1	0	4	0	0	0
4:02 PM	0	0	4	0	0	0
4:03 PM	0	0	4	0	0	0
4:04 PM	0	0	4	0	0	0
4:05 PM	0	1	3	0	0	0
4:06 PM	0	1	2	0	0	0
4:07 PM	0	0	2	0	0	0
4:08 PM	1	0	3	0	0	0
4:09 PM	0	1	2	0	0	0
4:10 PM	0	0	2	0	0	0
4:11 PM	0	2	0	0	0	0
4:12 PM	1	0	1	0	0	0
4:13 PM	0	1	0	0	0	0
4:14 PM	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0
4:16 PM	0	0	0	0	0	0
4:17 PM	0	0	0	0	0	0
4:18 PM	1	0	1	0	0	0
4:19 PM	0	0	1	0	0	0
4:20 PM	0	0	1	0	0	0
4:21 PM	0	0	1	0	0	0
4:22 PM	0	0	1	0	0	0
4:23 PM	0	0	1	0	0	0
4:24 PM	0	0	1	0	0	0
4:25 PM	0	1	0	0	0	0
4:26 PM	0	0	0	0	0	0
4:27 PM	0	0	0	0	0	0
4:28 PM	0	0	0	0	0	0
4:29 PM	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
4:31 PM	1	0	1	0	0	0
4:32 PM	1	0	2	0	0	0
4:33 PM	0	0	2	0	0	0
4:34 PM	0	0	2	0	0	0
4:35 PM	1	0	3	0	0	0
4:36 PM	0	0	3	0	0	0
4:37 PM	0	1	2	0	0	0
4:38 PM	0	0	2	0	0	0
4:39 PM	0	0	2	0	0	0
4:40 PM	0	0	2	0	0	0
4:41 PM	0	0	2	0	0	0
4:42 PM	0	0	2	0	0	0
4:43 PM	0	0	2	0	0	0
4:44 PM	0	0	2	0	0	0
4:45 PM	0	0	2	0	0	0
4:46 PM	2	1	3	0	0	0
4:47 PM	0	0	3	0	0	0
4:48 PM	0	0	3	0	0	0
4:49 PM	0	0	3	0	0	0
4:50 PM	0	0	3	0	0	0
4:51 PM	0	0	3	0	0	0
4:52 PM	0	0	3	0	0	0
4:53 PM	0	0	3	0	0	0
4:54 PM	0	0	3	0	0	0
4:55 PM	0	0	3	0	0	0
4:56 PM	0	0	3	0	0	0
4:57 PM	0	0	3	0	0	0
4:58 PM	0	0	3	0	0	0
4:59 PM	0	0	3	0	0	0
5:00 PM	1	1	3	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
School Address: 624 Anastasia Avenue, Coral Gables
Location: Parent Drop-Off

Weather: Clear
Date: 2/25/2010
Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
5:01 PM	0	0	3	0	0	0
5:02 PM	0	0	3	0	0	0
5:03 PM	0	0	3	0	0	0
5:04 PM	0	2	1	0	0	0
5:05 PM	0	0	1	0	0	0
5:06 PM	0	0	1	0	0	0
5:07 PM	0	0	1	0	0	0
5:08 PM	0	0	1	0	0	0
5:09 PM	1	0	2	0	0	0
5:10 PM	0	0	2	0	0	0
5:11 PM	1	1	2	0	0	0
5:12 PM	1	0	3	0	0	0
5:13 PM	0	0	3	0	0	0
5:14 PM	0	1	2	0	0	0
5:15 PM	0	0	2	0	0	0
5:16 PM	0	0	2	0	0	0
5:17 PM	0	0	2	0	0	0
5:18 PM	0	0	2	0	0	0
5:19 PM	0	1	1	0	0	0
5:20 PM	0	0	1	0	0	0
5:21 PM	0	0	1	0	0	0
5:22 PM	1	0	2	0	0	0
5:23 PM	0	0	2	0	0	0
5:24 PM	0	0	2	0	0	0
5:25 PM	0	0	2	0	0	0
5:26 PM	0	0	2	0	0	0
5:27 PM	0	0	2	0	0	0
5:28 PM	0	0	2	0	0	0
5:29 PM	0	0	2	0	0	0
5:30 PM	0	0	2	0	0	0

Surrogate School

Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
 School Address: 624 Anastasia Avenue, Coral Gables
 Location: Parent Drop-Off

Weather: Clear
 Date: 2/25/2010
 Technician: CV

PM: On-Site Queuing Observations

Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
5:31 PM	0	0	2	0	0	0
5:32 PM	0	1	1	0	0	0
5:33 PM	0	0	1	0	0	0
5:34 PM	0	0	1	0	0	0
5:35 PM	0	0	1	0	0	0
5:36 PM	0	0	1	0	0	0
5:37 PM	1	0	2	0	0	0
5:38 PM	0	0	2	0	0	0
5:39 PM	0	0	2	0	0	0
5:40 PM	0	0	2	0	0	0
5:41 PM	0	0	2	0	0	0
5:42 PM	0	0	2	0	0	0
5:43 PM	0	0	2	0	0	0
5:44 PM	0	0	2	0	0	0
5:45 PM	1	0	3	0	0	0
5:46 PM	0	0	3	0	0	0
5:47 PM	0	1	2	0	0	0
5:48 PM	0	0	2	0	0	0
5:49 PM	1	0	3	0	0	0
5:50 PM	0	0	3	0	0	0
5:51 PM	0	0	3	0	0	0
5:52 PM	2	0	5	0	0	0
5:53 PM	0	1	4	0	0	0
5:54 PM	0	2	2	0	0	0
5:55 PM	0	0	2	0	0	0
5:56 PM	1	0	3	0	0	0
5:57 PM	1	0	4	0	0	0
5:58 PM	1	0	5	0	0	0
5:59 PM	1	0	8	0	0	0
6:00 PM	0	0	6	0	0	0

Surrogate School
Queuing and Parking Data Collection Sheet

School Name: University Baptist Church/Day Care
 School Address: 624 Anastasia Avenue, Coral Gables
 Location: Parent Drop-Off

Weather: Clear
 Date: 2/25/2010
 Technician: CV

PM: On-Site Queuing Observations

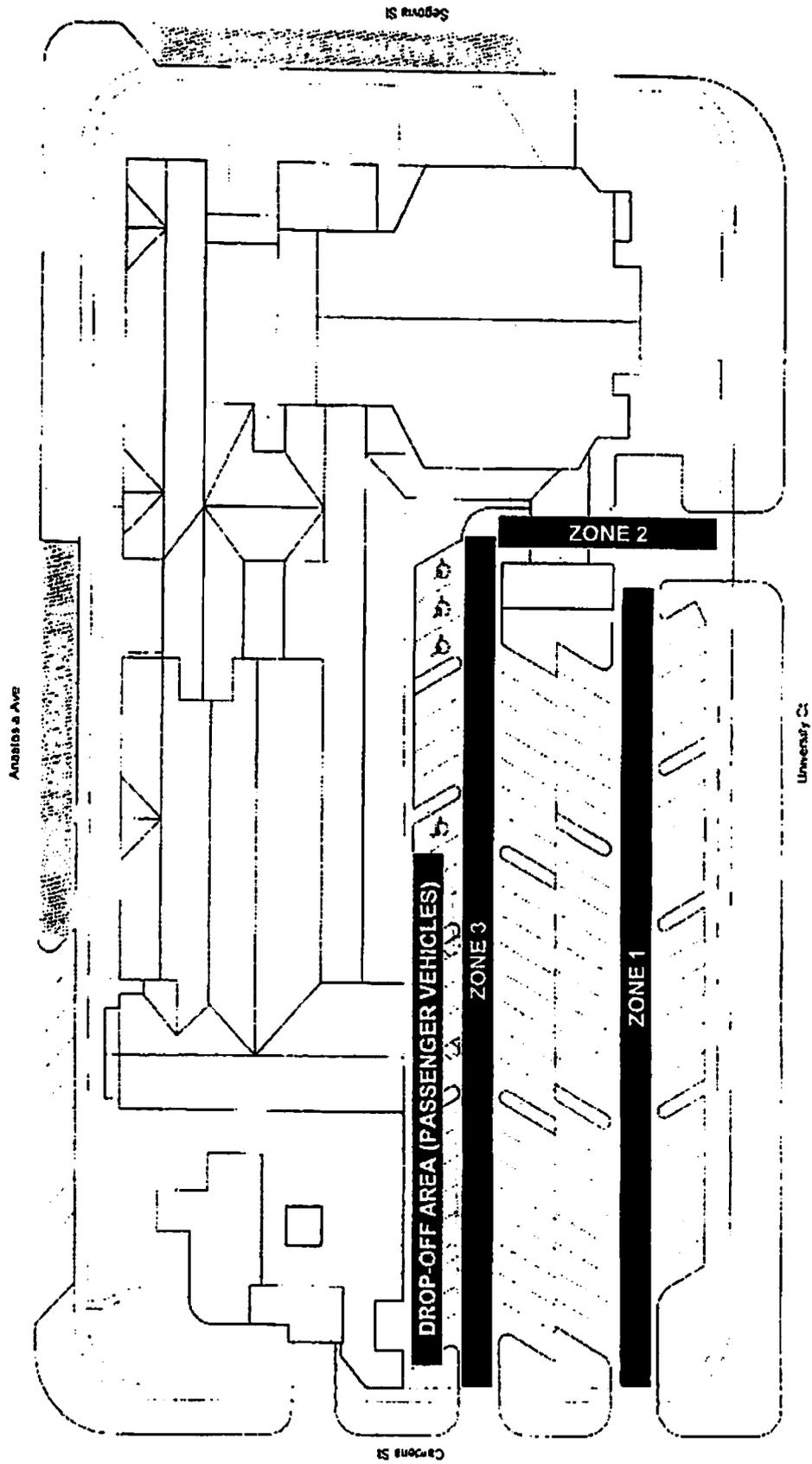
Time	Car-In	Car-Out	Cars Queued	Bus-In	Bus-Out	Bus Queued
6:01 PM	0	0	6	0	0	0
6:02 PM	0	0	6	0	0	0
6:03 PM	0	0	6	0	0	0
6:04 PM	0	0	6	0	0	0
6:05 PM	0	0	6	0	0	0
6:06 PM	0	0	6	0	0	0
6:07 PM	0	0	6	0	0	0
6:08 PM	0	0	6	0	0	0
6:09 PM	3	1	8	0	0	0
6:11 PM	0	0	8	0	0	0
6:12 PM	2	0	10	0	0	0
6:13 PM	0	0	10	0	0	0
6:14 PM	2	0	12	0	0	0
6:15 PM	2	1	13	0	0	0
6:16 PM	0	0	13	0	0	0
6:17 PM	0	0	13	0	0	0
6:18 PM	0	0	13	0	0	0
6:19 PM	1	0	14	0	0	0
6:20 PM	0	0	14	0	0	0
6:21 PM	2	1	15	0	0	0
6:22 PM	1	0	16	0	0	0
6:23 PM	0	0	16	0	0	0
6:24 PM	0	0	16	0	0	0
6:25 PM	1	1	16	0	0	0
6:26 PM	0	0	16	0	0	0
6:27 PM	0	0	16	0	0	0
6:28 PM	1	0	17	0	0	0
6:29 PM	0	1	16	0	0	0
6:30 PM	0	0	16	0	0	0

TABLE: A1
Somerset UBC
Accumulation Spaces Provided

Zone	Location Description	Distance (ft)	Units	Vehicle Type	Vehicle Length (ft)	Vehicles Accommodated
1	Corridor from southernmost driveway on Cardena St to driveway on University Ct	280	LF	Car/Van	22	13
2	Corridor adjacent or west of Worship Center	90	LF	Car/Van	22	4
3	Corridor from middle driveway on Cardena St to driveway on University Ct	310	LF	Car/Van	22	14
4	Bus Drop-Off Area	110	LF	Bus	50	2
OR						
5	Bus Drop-Off Area	110	LF	Bus	50	2
Total Passenger Vehicles Accommodated						31
Total Busses Accommodated						2

Notes: The zones are illustrated on Figure 1.
 There is two alternatives for the bus drop-off or Zone 4.

FIGURE 1
Somerset JBC



- Proposed Drop-Off Area
- Proposed Stacking for Passenger Vehicles
- Proposed Bus Drop-Off

Appendix B: Accumulation Assessment (Arrivals)

AM PEAK ACCUMULATION ASSESSMENT

for a New Public School (Countywide)

New School Name	Notes	Somerset UBC (Pre-K-8) w/ 735 Students	
Surrogate School Name	1	Doral Academy Elementary	
Date / Day / Time of Data Collection		02/9/2010 7:00 AM - 9:00 AM	(collect maximum accumulation of staged loading vehicles at or around dismissal time on Tuesday, Wednesday or Thursday for elementary, middle, and/or high schools)
Surrogate Enrollment		788	Total number of students, E
Capacity of New School		368	Student Stations, C (First-368 & Second-367 Arrival)
Multiplier	2	0.48	[C / E]
Surrogate Accumulations	3	35	passenger vehicles (including commercial vans)
		1	large school buses
		N/A	student vehicles (for high schools only)
Projected Accumulations		16.77	passenger vehicles
		0.48	large school buses
		N/A	student vehicles
Provided Spaces	4	31	passenger vehicles (See Table A1)
		2	large school buses
		N/A	student vehicles
Percent Accommodated	5	185%	passenger vehicles
		417%	large school buses
		N/A	student vehicles

1 The facility to be used as a surrogate school will be determined by MDPWD staff. The surrogate school data is used to form the basis for the projected accumulations.

2 This figure is used to determine projected accumulations at the new school by applying it to existing surrogate school accumulations. It is calculated by dividing the new school student station capacity by the surrogate school student enrollment at the time of accumulation data collection.

3 These are all the school related loading vehicles which are, legally or illegally, staged or parked, on or neighboring the school.

4 Information must be obtained from a field survey or proposed site plan indicating the total spaces to be provided for each vehicle type at 22 linear feet per passenger vehicle and/or commercial van, and 50 linear feet per large school bus. Credit may be taken for legal parking in paved swale areas along school property frontage. A sketch or site plan (maximum 40 scale) showing the location of these spaces, the type of spaces in each area, and linear footage provided for each area including the width of bus bays is required. On-street bus loading bays are required to have a minimum 14 foot width, on-street passenger vehicle loading bays are required to have a minimum of 10 foot width, and on-street passenger vehicle parking areas are required to have a minimum 8 foot width, unless otherwise allowed.

5 This is calculated as, $[(\text{Provided Spaces} / \text{Projected Accumulations}) \times 100]$, for each vehicle type. MDPWD requires all of the large school bus and student vehicle (if applicable) accumulations to be accommodated. The Department also expects 100 % of the passenger vehicle accumulation to be accommodated depending on adjacent roadway design and classification, and limitations of the school site.

Please print data collector name, title, mailing address, and phone number:

Signature of Data Collector

Appendix C: Accumulation Assessment (Dismissals)

PM PEAK ACCUMULATION ASSESSMENT

for a New Public School (Countywide)

New School Name	Note	Somerset UBC (Pre-K-8) w/ 735 Students	
Surrogate School Name	1	Doral Academy Elementary	
Date / Day / Time of Data Collection		02/8/2010 1:30 PM - 4:00 PM	(collect maximum accumulation of staged loading vehicles at or around dismissal time on Tuesday, Wednesday or Thursday for elementary, middle, and/or high schools)
Surrogate Enrollment		768	Total number of students, E
Capacity of New School		245	Student Stations, C (First, Second & Third Dismissal) (245 Students Ea.)
Multiplier	2	0.32	[C / E]
Surrogate Accumulations	3	97	passenger vehicles (including commercial vans)
		1	large school buses
		N/A	student vehicles (for high schools only)
Projected Accumulations		30.94	passenger vehicles
		0.32	large school buses
		N/A	student vehicles
Provided Spaces	4	31	passenger vehicles (See Table A1)
		2	large school buses
		N/A	student vehicles
Percent Accommodated	5	100%	passenger vehicles
		627%	large school buses
		N/A	student vehicles

1 The facility to be used as a surrogate school will be determined by MDPWD staff. The surrogate school data is used to form the basis for the projected accumulations.

2 This figure is used to determine projected accumulations at the new school by applying it to existing surrogate school accumulations. It is calculated by dividing the new school student station capacity by the surrogate school student enrollment at the time of accumulation data collection.

3 These are all the school related loading vehicles which are, legally or illegally, staged or parked, on or neighboring the school.

4 Information must be obtained from a field survey or proposed site plan indicating the total spaces to be provided for each vehicle type at 22 linear feet per passenger vehicle and/or commercial van, and 50 linear feet per large school bus. Credit may be taken for legal parking in paved swale areas along school property frontage. A sketch or site plan (maximum 40 scale) showing the location of these spaces, the type of spaces in each area, and linear footage provided for each area including the width of bus bays is required. On-street bus loading bays are required to have a minimum 14 foot width, on-street passenger vehicle loading bays are required to have a minimum of 10 foot width, and on-street passenger vehicle parking areas are required to have a minimum 8 foot width, unless otherwise allowed.

5 This is calculated as: $[(\text{Provided Spaces} / \text{Projected Accumulations}) \times 100]$, for each vehicle type. MDPWD requires all of the large school bus and student vehicle (if applicable) accumulations to be accommodated. The Department also expects 100% of the passenger vehicle accumulation to be accommodated depending on adjacent roadway design and classification, and limitations of the school site.

Please print data collector name, title, mailing address, and phone number:

Signature of Data Collector