

**Safe Routes to School Plan FY2009  
Clubview Elementary School**

**Table of Contents**

**Publications and Publicity Disclaimer**.....pg 1

**Section 1** Safe Routes to School Team and Community Involvement.....pg 2

- Introduction.....pg 2
- Safe Routes to School Committee Members.....pg 2
- School description.....pg 4
- Community Profile.....pg 5

**Section 2** Evaluation of Existing conditions.....pg 6

- Mapping school district boundary.....pg 6
- Bicycling and walking assessments .....pg 6

**Section 3** Data Collection and Analysis .....pg 8

- Projected enrollment *Student Characteristics* .....pg 8
- Student Survey Analysis ..... pg 8
- Parent Survey Analysis .....pg 9
- Traffic Counts .....pg 14
- Average speed of vehicles .....pg 15
- Crash data .....pg 15
- Observing student’s pedestrian behavior .....pg 17

**Section 4** Policies / Plans .....pg 20

- Current and future projects within a 2 mile radius .....pg 21

**Section 5** Goals and Objectives.....pg 22

**Section 6** Action Steps and Implementation Strategy .....pg 24

- Education .....pg 24
- Encouragement .....pg 27
- Enforcement .....pg 29
- Evaluation .....pg 31
- Engineering .....pg 33

**Appendices**

- Appendix 1 Two mile radius map and school district boundary .....pg 36
- Appendix 2 Population density map and average speed of vehicles .....pg 37
- Appendix 3 Walk-about checklist – Roadways.....pg 38
- Appendix 4 Sample Student and Parent Survey .....pg 39

## **Publication and Publicity**

### **Disclaimer**

*“The contents of this publication reflect the views of the author(s), who is (are) responsible for the facts and accuracy of the data presented here in. The opinions, findings, and conclusions in this publication are those of the author(s) and do not necessarily reflect the official views or policies of those of the Department of Transportation, State of Georgia or Federal Highway Administration. This publication does not constitute a standard, specification or regulation.”*

## **Section 1. - Safe Routes to School Team and Community Involvement**

### **Introduction**

Clubview Elementary School is committed to ensuring that all of its students can utilize a physically active transportation method, such as walking and bicycling, for a safe and enjoyable trip to school. This Safe Routes to School Plan aims to address the issues that will impede active transportation and seeks to strategically solve these problems by implementing a Safe Routes to School program.

Our community is motivated to pursue Safe Routes to School because:

- 🚲 We value student physical activity and health
- 🚲 We wish to improve unsafe or insufficient walkways, bikeways, and crossings
- 🚲 We are committed to reducing speeding and reckless driving near school
- 🚲 Our students are threatened by illegal behaviors near school

### **The Safe Routes to School Committee**

Our Safe Routes to School Team believes that having an active participation from diverse members in the community will allow us to develop a more successful Safe Routes to School Plan. Our team is comprised of a variety of stakeholders and community leaders, each lending their own unique perspective and expertise in order to make walking and bicycling to school more safe, accessible, and fun for students at Clubview Elementary.

Our Safe Routes to School Team is composed of the following:

**Julio Portillo**

Lower Chattahoochee RDC Regional Planner  
*Safe Routes to School Project Coordinator*

**Adele Lindsey**

*Clubview Elementary School Principal*

**Angie Shehane**

*Clubview Elementary School IB Coordinator/Teacher*

**Jack Lockwood**

*Columbus Health Department*

**Amanda Rees**

*Clubview Elementary School Parent / Columbus State University*

**Jacquetta Jackson**

*Safe Kids Columbus*

**Felix Remigio**

*City of Columbus Police Department Bicycle Unit*

The participation of each of the stakeholders in this committee has been of great importance in the development of the Safe Routes to School Plan. Each of the members for this committee contributed to developing and administering student surveys, walk-ability and bike-ability assessments, observe and document pedestrian and traffic behavior during school rush hours, and developing the goals, objectives, and recommendations to the plan.

## School Description

### About Clubview Elementary

Clubview Elementary School is located in Columbus; Georgia and is classified as an elementary school in the Muscogee County School District. Students from pre-kindergarten to fifth grade are taught. As of March, 2008, there were a total of 502 students enrolled at the school. The demographical breakdown for the student population is as follows:

<b>Female Students</b>	246
<b>Male Student</b>	256
<b>Asian</b>	12
<b>Hispanic</b>	16
<b>African-American</b>	125
<b>White</b>	306
<b>Multi-racial</b>	43

In February 2006, Clubview Elementary received notification from Jeffrey Beards, the Director General in Geneva, Switzerland, that the school was fully authorized by the International Baccalaureate Organization (IBO) to offer Primary Years Programme (PYP). Clubview is distinguished as the first public elementary school in Georgia to become an authorized IB School in PYP. The school is proud to be an International Baccalaureate School. As an IB World School offering the Primary Years Programme, Clubview's curriculum focuses on raising awareness of the world in which the students live. The curriculum focuses on raising awareness of the world in which the students live.

The curriculum integrates international content into the different curriculum areas. Clubview is committed to engaging all students in active learning about the world. Integrating the IB Student Profile attributes into the curriculum provides an opportunity for students to be aware of the global world in which they live and to demonstrate through their actions that they respect other individuals and cultures.

Clubview Elementary School's Mission Statement:

*“To educate and challenge students to become life-long learners who exhibit the attitudes and dispositions described in the student profile and to equip students with social, intellectual and critical skills that will enable them to reach their full potential as adults in our global society.”*

### **Community Profile**

Columbus-Muscogee County is located 100 miles southwest from the city of Atlanta. Columbus is considered to be Georgia's third largest city with a population of 186,291. Besides being the home to the army installation for Fort Benning, Columbus is also the corporate headquarters for many of the United States' leading companies such as AFLAC, T|SYS, Carmike Cinemas, and Char-Broil amongst others. The Muscogee County School District is recognized as among the best in the Central Georgia Region. The students are provided with the best facilities and equipment; the schools are staffed by excellent teachers, and the school district is supported by involved parents and an active business community. Nine community members serve on an elected Board of Education.

## **Section 2. - Evaluation of existing conditions**

### **Mapping – School Boundary**

Clubview Elementary School is one of 33 elementary schools within Columbus-Muscogee-County; therefore, providing its educational services to 502 residents within the school boundary limits at a no-cost tuition assistance program. However, the school also welcomes students from the surrounding areas outside of their school boundary. (*See School Boundary Map*)

### **Bicycling and walking assessments**

In order to create an efficient and effective Safe Routes to School Plan for Clubview Elementary School, we must first evaluate the current conditions and feasibility for the children to either walk and/or ride their bicycles to the school. These assessments took place within a 0.5-1.5 mile radius from the school campus towards to the most highly populated areas where Clubview Elementary School children live.

A completed walk-ability and bike-ability assessments form was completed as provided by the National Pedestrian and Bicycle Information Center and Georgia Department of Transportation. Also, parents were given a short survey where they could rank the school's infrastructure needs in order of importance, as well as provide comments. The results from the observations and survey are as follows:

1. School Zone Speed Limit Signs and Sidewalk improvements
2. Traffic calming signs
3. Painted crossing lines
4. Electronic crossing signs and Bicycle racks for the school
5. Handicap access

## Walk-ability and bike-ability assessment photos



Intersection of Edgewood Rd and Clubview Dr. Location for a possible electronic crossing sign.



Intersection of Edgewood Rd and East Lindsey Dr. Sidewalk is abruptly cut of and provides no handicap access.



Sidewalk along Edgewood Rd. is interrupted with a wall from a private home forcing student to walk along the



Another view of the same sidewalk interruption along Edgewood Rd.



No handicap access or marked crossing signs along Edgewood Rd. east bound.



Another view of where the sidewalk ends along Edgewood Rd. west bound



### Section 3. - Data Collection and Analysis

The process of collecting Safe Routes to School data for Clubview Elementary School was done through observations, interviews, walk-ability and bike-ability assessments, as well as a parent and student survey. A total of 494 children were surveyed (see survey on appendix X). Traffic counts, average speed of vehicles, and crash data were provided by the Columbus-Muscogee County Planning Department and Transportation Engineering Department.

#### **Projected Enrollment - Student Characteristics**

At the start of the 2008-2009 school academic year, the student population for the school was approximately 502 students. There are currently 502 students enrolled at Clubview Elementary from grades Pre-K to fifth. According to Mrs. Adele Lindsey, School Principal, with the population changes caused by Ft. Benning, they expect the student population to grow significantly within the next 3-5 years.

#### **Student Survey Analysis**

The following table illustrates the number of kids which were surveyed and their preferred and current method of transportation to and from the school campus:

<b>School Bus</b>	<b>Driven by parents</b>	<b>Carpool</b>	<b>Walk to school</b>	<b>Ride their bicycles to school</b>
8 (1.6%)	357 (71%)	6 (1.2%)	73 (14.5%)	3 (0.6%)

These results clearly demonstrate the low number of children who are cycling to and from school. However, despite the low number of children cycling, our research reflects

that both distance traveled and age affects the parent's and children's decision to walk school zone; therefore, children can travel as far as 1.5 miles from the school.

<b>Distance that you live from the school (Miles)</b>				
<b>0.6-1.0 miles</b>	<b>1.1 – 1.5 miles</b>	<b>1.6-2.0 miles</b>	<b>3.0-5.0 miles</b>	<b>10+ miles</b>
10	19	23	8	3

### **Parent Survey Results**

Clubview Elementary School parents received a Safe Routes to School survey directly from the school. All school parents received a survey and were asked to answer all questions and then return the survey as promptly as possible. After carefully reviewing 244 parent surveys, the Safe Routes to School Team is able to provide the following results:

<b>Distance travelled to school</b>	<b>Miles</b>
Less than ¼ mile	39
¼ mile to ½ mile	43
½ mile to 1 mile	56
1 to 2 miles	33
More than 2 miles	63
Don't know	10

<b>Method of arrival to the school</b>	<b>Number of Students</b>
Walk	33
Family Vehicle	180
Carpool	15
School Bus	15
Other	1
<b>Method of Departure from school</b>	<b>Number of Students</b>
Walk	41
Family Vehicle	165
Carpool	14
School Bus	20
Other	3

<b>Travel time to school</b>	<b>Minutes</b>
Less than five minutes	104
5-to-10 minutes	76
11-to-20 minutes	43
20+ minutes	15
<b>Travel time leaving the school</b>	<b>Minutes</b>
Less than 5 minutes	94
5-to-10 minutes	81
11-to-20 minutes	48
20+ minutes	15

<b>Has your child ever asked permission to walk or cycle to school?</b>	Yes: 122 No: 123
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<b>At what school grade would you allow your child to walk to school?</b>	<b>Number of parents</b>
1	2
2	7
3	11
4	17
5	21
6	24
7	17
8	8
High school	4
Never	134

<b>Which of the following affected your decision to allow your child to walk to school?</b>	
Distance	122
Convenience	33
Time	57
Child's activities	31
Speed of traffic	125
Amount of traffic	131
Adults to walk with	41
Sidewalks	81

Safety	115
Presence of crossing guards	39
Violence	127
Weather	100

<b>Would you allow your child to walk/bike to school if the following were changed or improved?</b>			
<b>Factor</b>	<b>Yes</b>	<b>No</b>	<b>Maybe</b>
Distance	43	54	23
Convenience	13	29	18
Time	22	33	21
Child's activities	19	32	16
Speed of Traffic	52	44	29
Amount of Traffic	52	43	29
Adults to walk with	24	26	15
Sidewalks	51	28	11
Safety	52	36	21
Crossing guards	28	22	13
Violence	44	43	30
Weather	36	44	

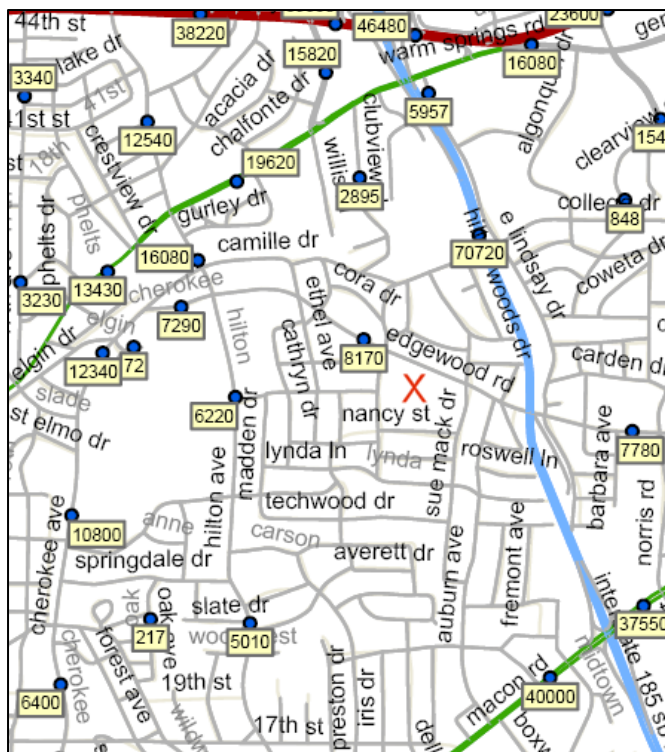
<b>Does the school encourage walking/cycling to school?</b>	
Strongly encourage	16
Encourage	69
Discourage	1
Strongly Discourage	1

<b>How fun is walking/cycling to school for your child?</b>	
Very Fun	39
Fun	79
Neutral	114
Boring	8
Very boring	2

<b>How healthy is walking / cycling to school for your child?</b>	
Very healthy	112
Healthy	81
Neutral	46
Unhealthy	2
Very unhealthy	1

## Transportation Data

### Traffic Counts



Traffic counts for Clubview Elementary were provided by the City of Columbus Planning Department.

Edgewood Road west of Auburn Avenue: 4,987 vehicles per day eastbound,  
4,638 vehicles per day westbound (April, 2008 averages)

Edgewood Road west of Clubview Dr.: 4,205 vehicles per day eastbound, 4,565  
vehicles per day westbound (September, 2006 averages)

Sue Mack Drive north of Nancy St: 559 vehicles per day northbound, 510 vehicles  
per day southbound (April, 2007 averages)

### Average Speed of Vehicles

The average speed of vehicles for a mile radius from Clubview Elementary was provided by the City of Columbus Planning Department. According to their records, the average speed of vehicles is as follows:

- 35MPH within the surrounding areas and major roads including Hilton Avenue, Edgewood Road, University Avenue, Auburn Avenue, East Lindsey Street and College drive.

### Crash Data

Automotive crash data for a 2 mile radius from Clubview Elementary was provided by the City of Columbus Planning Department. The following table demonstrates the results obtained from their C. A. R. E database, and reflect the number of crashes within the 2 mile radius:

Crash ID	County	Mile point	On Street	At Street
75090048	Muscogee	0.04	CLUBVIEW CT	
75470218	Muscogee	0.02	CLUBVIEW CT	
70100113	Muscogee	0.26	CLUBVIEW DR	
70880546	Muscogee	0.28	CLUBVIEW DR	COLLEGE DR
72480657	Muscogee	0.06	CLUBVIEW DR	
73920367	Muscogee	0.28	CLUBVIEW DR	COLLEGE DR
75110478	Muscogee	0.19	CLUBVIEW DR	CLUBVIEW DR
71230171	Muscogee	0.46	COLLEGE DR	ALGONQUIN DR
71970049	Muscogee	0.67	COLLEGE DR	E LINDSAY DR
73490588	Muscogee	0.67	COLLEGE DR	E LINDSAY DR
75090460	Muscogee	0.46	COLLEGE DR	ALGONQUIN DR
70630216	Muscogee	0.63	SUE MACK DR	MARY ANN DR
70880491	Muscogee	0.72	SUE MACK DR	
71230292	Muscogee	0.45	SUE MACK DR	
71710578	Muscogee	0.71	SUE MACK DR	WAKEFIELD WAY
73920640	Muscogee	0.91	SUE MACK DR	COLLEGE DR
74400415	Muscogee	0.91	SUE MACK DR	COLLEGE DR



70100067	Muscogee	0.89	AUBURN AVE	EDGEWOOD RD
70630303	Muscogee	0.89	AUBURN AVE	EDGEWOOD RD
70880390	Muscogee	0.22	AUBURN AVE	CROSS COUNTRY HILL
71230051	Muscogee	0.89	AUBURN AVE	EDGEWOOD RD
72270002	Muscogee	0.22	AUBURN AVE	CROSS COUNTRY HILL
72270012	Muscogee	0.06	AUBURN AVE	MERCURY DR
73470499	Muscogee	0.09	AUBURN AVE	
73490502	Muscogee	0.01	AUBURN AVE	
73920228	Muscogee	0.89	AUBURN AVE	EDGEWOOD RD
73920708	Muscogee	0.55	AUBURN AVE	GLENBROOK DR
74400359	Muscogee	0.22	AUBURN AVE	CROSS COUNTRY HILL
75090444	Muscogee	0.22	AUBURN AVE	CROSS COUNTRY HILL
75560619	Muscogee	0.22	AUBURN AVE	CROSS COUNTRY HILL
70260777	Muscogee	0.8	EDGEWOOD RD	SUE MACK DR
70650409	Muscogee	1.45	EDGEWOOD RD	
70650419	Muscogee	0.58	EDGEWOOD RD	E LINDSAY DR
71230150	Muscogee	1.04	EDGEWOOD RD	CORA DR
72480703	Muscogee	0.8	EDGEWOOD RD	SUE MACK DR
72480733	Muscogee	0.58	EDGEWOOD RD	E LINDSAY DR
73470294	Muscogee	0.27	EDGEWOOD RD	NORRIS RD
73490550	Muscogee	1.32	EDGEWOOD RD	ETHEL AVE
73920706	Muscogee	0.27	EDGEWOOD RD	NORRIS RD
73920714	Muscogee	0.27	EDGEWOOD RD	NORRIS RD
75090349	Muscogee	0.74	EDGEWOOD RD	
73920696	Muscogee	0.51	LYNDA LN	SUE MACK DR

## Observing Clubview Elementary School Student's Pedestrian Behavior

*Disclaimer: This photos where taken outside of Clubview Elementary School with authorization and supervision of the*

*School Principal Mrs. Adele Lindsey*



Clubview Elementary students use sidewalks when they are provided. Most of the sidewalks within the surrounding areas of the school possess some sort of sidewalk with accessible handicap access. However, during high traffic times children cross dangerous intersections which are not marked on the road and there are no "Children Crossing" signs.

No painted crossing signs on the road to let motorist know that pedestrians will be crossing this road, especially during school hours.



Vehicle traffic at Clubview Elementary is controlled by the school staff. Adequate crossing signs and speed bumps are located within the school campus to alert motorist of the likelihood of children crossing. Speed bumps force motorist to reduce their speed while at the school campus.



This is one of two intersections along Edgewood Road (Edgewood Rd and Sue Mack Dr.) that have painted crossing signs; this intersection is controlled by a crossing guard who also controls the traffic light. Note that although there is an existing sidewalk, it is full of debris and in poor condition.

This is one of two intersections along Edgewood Road (Edgewood Rd. and Clubview Dr.) that have painted crossing signs. This intersection is controlled by a crossing guard. This picture demonstrates that there is no handicap access ramp at this intersection despite the high pedestrian traffic. This concerns both parents and educators.



Clubview Elementary children and parents respect road signs and the orders given by the crossing guard.

#### **Section 4. - Policies / Plans**

Despite an expected increase in the student population, Clubview Elementary will not be changing their school boundary area for the 2009-2010 academic year. However, Clubview Elementary welcomes students from different areas within Columbus-Muscogee County. *(See appendix X- School Boundary Map).*

Clubview Elementary School does not prohibit walking and/or biking to the school campus, however, our research shows that the school has not yet implemented a health and fitness policy on its student handbook, and therefore, to the student body as well. Since the school is located in the center of a highly residential area, the number of students walking to school is relatively large (33 students on average). However, there is also a number of students (25 students on average) that travel to and from school in the school bus; therefore, Clubview Elementary has a School Bus Policy in place for students and parents to follow. Such policy states measures ensure both the children's and motorists' safety while on the road.

Despite the fact that Clubview Elementary School embraces physical activity for its students, they do not possess a wellness policy; hence there is no reference to any Safe Routes to School policy in place yet. But to the recent involvement in the program, as well as the partnership with Safe Kids, the school has decided to begin drafting a Health, Fitness, and Wellness Policy along with their support and involvement in the Safe Routes to School Program.

**Current and Future projects within a two (2) mile radius of Clubview Elementary School.**

The following list of projects was provided by the City of Columbus Planning Department and Transportation Engineering:

- New historic district design guidelines underway.
- Wynnton streetscapes Request for Proposal process underway.
- Rails-to-Trails pedestrian trail is near construction start. Groundbreaking was May 13, 2009
- Tornado cleanup is complete.
- There is considerable homeowner damage in Wynnton Village; Dinglewood; Wildwood Circle / Hillcrest; and Wynnton Grove.
- Weracoba sewer line reconstruction is complete and roads are open.
- Cora Drive storm sewer line project is in early construction process.
- Muscogee County School District administration building construction is ahead schedule and under budget.
- Midtown Inc. has organized 19 neighborhoods into associations.
- The Martin Foods building condo renovation is currently on hold.
- Lawyers Lane and East Highlands Redevelopment Areas are being reviewed for updating.

## **Section 5. - Goals and Objectives**

After carefully reviewing traffic data, student and parent survey results, walk-ability and bike-ability assessments, school policies, and overall student's means of transportation; our Safe Routes to School team was able to determine a set of goals from which to guide the development and implementation of our program.

1. **Goal:** To increase the number of children riding their bicycles to and from school.

**Objective:** Increase the number of student bicycle riders by 10% over the next 2009-2010 academic year.

2. **Goal:** To develop and implement a Health, Fitness, and Wellness Policy which addresses the Safe Routes to School Program.

**Objective:** To develop the Health, Fitness, and Wellness policy within a 6 month period of approving the Safe Routes to School Plan and implement this policy within the remaining 6 months of the 2009-2010 academic year.

3. **Goal:** To continue to participate and include the National Walk and Bike to school day on the school's Wellness policy.

**Objective:** Participate in the National Walk and Bike to school day on the first Wednesday of October 2009.

4. **Goal:** Develop and conduct a "Safe walking and safe bicycling" class for all kids attending elementary school.

**Objective:** Develop an adequate class syllabus (program) by September 2009 to be used during the 2009-2010 academic year.

**5. Goal:** Increase the number of bicycle racks at Clubview Elementary School.

**Objective:** Increase the number of bicycle racks from 1 to 4 by spring 2010.

**6. Goal:** Build community awareness and participation in the Safe Routes to School Program.

**Objective:** Increase the number of parents and community members who walk and bicycle with their children from 20 to 35 by the end of the 2009-2010 academic year.

## Section 6. - Action Steps and Implementation Strategy

This section is based on using the data analysis, survey results, and community input in order to address the Five E's (**E**ngineering, **E**valuation, **E**ducation, **E**ncouragement, and **E**nforcement).

### Non-infrastructure

#### Education

*“Everyone should know how to be safe”*

The education section of this plan consists on the development and implementation of educational programs that teach safety skills to pedestrians, motorists, and cyclists.

Through these educational programs, we intend to increase awareness on the benefits of being physically active (walking and cycling) as well as raising awareness on issues which are related to school safety.

<b>Activity</b>	Bicycle Safety Training
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Develop a bicycle safety training which students can attend quarterly throughout the academic year. This training can also be available for parents who wish to engage in such activities and be taught during extra-curricular school hours. Research demonstrates that middle and elementary school level is the best time to begin this process of early education.
<b>Who</b>	Students, parents, and teachers.
<b>Status</b>	Program to be developed and implemented.



<b>Activity</b>	Pedestrian Safety Training
<b>Timeline</b>	September 2009 – May 2010
<b>Task</b>	To teach student the basic pedestrian rules and how to safely use the roads as means of transportation. Sessions will be held quarterly.
<b>Who</b>	Physical Education teachers, students, teachers, and parents.
<b>Status</b>	Training to be developed and implemented.

<b>Activity</b>	Bicycle/Pedestrian Safety Awareness Programs and Campaigns
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Involve children in the development of flyers, posters, banners, etc. In order to raise bicycle/pedestrian safety awareness throughout the school, as well as encouraging other children to participate in cycling/walking to school.
<b>Who</b>	Students, parents, and teachers.
<b>Status</b>	Program to be developed and implemented.

<b>Activity</b>	Parental Safety Education Program
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Educate parents on bicycle/pedestrian safety in order for them to educate their children as well; therefore, increasing the number of educated walkers and riders.
<b>Who</b>	Students, parents, and teachers.
<b>Status</b>	Program to be developed and implemented.

<b>Activity</b>	Personal Safety Program
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Develop a personal safety program which allows children to identify bullies and potential predators while on the street. This program is very important in order to provide a safe walking and cycling environment for kids.
<b>Who</b>	Students, parents, teachers, and Law Enforcement.
<b>Status</b>	Continue to exercise and enhance a “No Bullying” policy within the school and therefore, provide for a fun and safe environment for children to walk/bike to school.

<b>Activity</b>	“Making Math Fun” Education using cycling elements
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Develop an additional element to the current Mathematics curriculum in which teachers can educate children using elements from a bicycle; for instance, Geometry and standard measurements can be taught through this approach.
<b>Who</b>	Students, parents, and teachers.
<b>Status</b>	Program to be developed and implemented.

## **Encouragement**

*“Being fun and creative”*

The encouragement section of this plan will address the ways in which children, parents, teachers, and community members can become involved in developing and maintaining a Safe Routes to School Program active throughout the school year. These encouragement programs will consist of providing fun and educational activities that motivate and facilitate walking and bicycling to and from school. GDOT is committed to providing support during these promotional activities, providing fluorescent vests and personnel to attending as many activities as possible. It is important to not only develop student enthusiasm for these activities, but also to encourage parents and teachers to participate in as many Safe Routes activities as possible.

The following is a list of planned activities to support Encouragement efforts for the Safe Routes to School plan:

<b>Activity</b>	Park and Walk
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Encourage those children who live outside the 1 mile radius of the school to walk to school through a system (method) known as “Park and Walk”. Through this method, parents can drive their children to a designated parking place usually within 1 mile or ½ a mile so that children can walk or bike to school from this point.
<b>Who</b>	Students, parents, and teachers.
<b>Status</b>	Program to be developed and implemented.

<b>Activity</b>	Activity day “Giveaways”
<b>Timeline</b>	During the days of a bicycle/pedestrian activity
<b>Task</b>	During the days in which a bicycle/pedestrian activity will take place, giveaways will play an important role for increasing awareness as well as promoting the current and future bicycle/pedestrian activities. Such giveaways include, but are not limited to t-shirts, bumper stickers, hats, reflective gear, etc.
<b>Who</b>	Students, teachers, school staff, parents.
<b>Status</b>	Program to be developed and implemented.

<b>Activity</b>	Seasonal Rides
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Seasonal Rides consists of organizing bicycle rides or walks celebrate the seasons. For instance, “welcome spring ride”, “celebrate the Autumn ride”, etc. These rides/walks can be organized once every season or during a festive holiday; “turkey ride”, “the Santa ride”, etc.
<b>Who</b>	Students, teachers, school staff, parents.
<b>Status</b>	Program to be developed and implemented.

<b>Activity</b>	Walk and Ride Bus
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	Walking and riding busses consists of organizing a group of students that meet at the same time and place and walk or ride to school together. Walking and Riding busses should include adult supervision and include active parents who wish to engage in such activities. Walking and Riding busses can also be organized according to neighborhoods where a significant number of residents attend Clubview Elementary School and wish to get organized to walk and bike to school together.
<b>Who</b>	Students and parents.
<b>Status</b>	Program to be developed and implemented.

## **Enforcement**

### *“Following the safety rules”*

This section focuses on the legal aspects of enforcing traffic laws. Developing an adequate enforcement strategy will provide the basis for educating motorists as well as cyclists and pedestrians; however, there is a greater focus on motorist education and safety. Earlier in this plan, crash data, as well as traffic counts and average speed were provided. This information demonstrates an average speed of 32.14 MPH on a 2 mile radius from Clubview Elementary School. According to the City of Columbus Planning Department, this average speed provides for a safe walking and cycling environment for it is only 7 miles over the School Zone speed limit. Education and Encouragement efforts deal mainly with training and educating children, parents, and teachers; little is done to educate motorists.

An Enforcement strategy will require active participation from local law enforcement officials as well as parents, teachers and even the students themselves. Developing and establishing Safe Routes to School policies and procedures for drivers will be the initial part of this enforcement strategy. These policies will be created in conjunction with law enforcement officials, local traffic engineers, and Clubview Elementary School Staff. Following the development of such policies and procedures, enforcement efforts can begin.

The following are law enforcement strategies which will allow us to educate motorist within the surrounding 2 miles radius of Clubview Elementary School:

<b>Activity</b>	Continue to hire a full time crossing guard for the school.
<b>Timeline</b>	Ongoing
<b>Task</b>	To hire a full time crossing guard to aid students who walk and cycle to school in providing safety means of crossing the main intersections by the school campus..
<b>Who</b>	Students, parents, teachers, crossing guards.
<b>Status</b>	Program to be developed and implemented.

<b>Activity</b>	“Pace your car program”
<b>Timeline</b>	September 2009-May 2010
<b>Task</b>	This program will consist of pacing the speed of motor-vehicles on the surrounding roads of Clubview Elementary School. We intend to approach this task in a creative manner, using colorful and attractive signs in both English and Spanish, and use specific dates to promote the program.
<b>Who</b>	Students, parents, teachers, traffic engineers, law enforcement.
<b>Status</b>	Program to be developed and implemented.

## Evaluation

### *“Identifying and addressing the problem”*

Evaluating both the development and progress of our Safe Routes to School Plan will allow us to monitor the effectiveness or inefficiency of our program. Maintaining a close monitoring of our program provides us with the advantage of detecting mistakes at an early stage; hence being able to develop an appropriate solution to the problem.

Recognizing mistakes and taking prompt action to solve them ensures the steadiness and consistency of our program during its implementation stages.

The following table illustrates three key elements (Objective, Data Collection/Methodology, and Timeline) which will be monitored in order to ensure the accomplishment of our stated objectives:

<b>Objective</b>	<b>Data collection / Methodology</b>	<b>Timeline</b>
Increase the number of student bicycle riders by 10% over the next academic year (2009-2010)	<ul style="list-style-type: none"> <li>⦿ Developing cycling awareness campaigns (including giveaways)</li> <li>⦿ Parent and teacher initiative to support program and get children involved.</li> </ul>	Begin: September 2009 End: May 2010
To develop the Wellness Policy within a 6 month period of approving the SR2S plan and implement this policy within the remaining 6 months of the academic year 2009-2010. This will be an ongoing effort.	<ul style="list-style-type: none"> <li>⦿ Georgia Department of Health plays a key role in developing the policies.</li> <li>⦿ Must be approved by the Muscogee County Board of Education and Clubview Elementary.</li> <li>⦿ Should address SR2S as a means of physical activity.</li> </ul>	Begin: September 2009 End: May 2010

<b>Objective</b>	<b>Data Collection / Methodology</b>	<b>Timeline</b>
Continue to participate in the National Walk and Bike to school day on October 7, 2009	<ul style="list-style-type: none"> <li>☺ Develop promotional campaigns designed by the students themselves.</li> <li>☺ Involve parent, teachers, and community members to participate in this event.</li> </ul>	October 7, 2009
Develop an adequate class syllabus for “Safe Walking and Safe Bicycling” class by September 2009 to be used during the 2009-2010 academic year.	<ul style="list-style-type: none"> <li>☺ Using a previous model, develop a Safe walking syllabus for teachers.</li> <li>☺ Using a previous model, develop a Safe Bicycling syllabus for teachers.</li> <li>☺ This class can be taught and take part of the P.E curriculum or as an extracurricular activity.</li> </ul>	Begin: September 2009 End: May 2010
Increase the number of bicycle racks from 1 to 4 by May 2010.	<ul style="list-style-type: none"> <li>☺ Request and/or generate funds to purchase bicycle racks.</li> <li>☺ Should be supported by school officials and will promote bicycle riding to the students.</li> </ul>	Deadline: May 2010
Increase the number of parents and community members who walk and bicycle with their children by the end of the academic year 2009-2010.	<ul style="list-style-type: none"> <li>☺ Developing walking and cycling campaigns.</li> <li>☺ Developing awareness posters and banners.</li> <li>☺ Promote the program to parents and the community through students and teachers.</li> <li>☺ School should encourage “Health” benefits to both students and parents.</li> </ul>	Begin: September 2009 End: May 2010



## Infrastructure

### Engineering

#### *“Designing Improvements”*

This section consists on determining if new road designs and operational techniques are needed in order to reduce traffic volumes, decrease speed, and improve bicycle/pedestrian safety. During the scope of performing the walk-ability and bike-ability assessments we were able to determine areas where engineering would be needed in order to increase bicycle/pedestrian safety. Our findings are as follows:

#### **Problems:**

- 1. School Zone Speed Limit Signs and Sidewalk improvements:** although within the 2 mile radius from the school there is a significant presence of sidewalks, these seem to be cut-off as you approach the school campus, forcing children at certain intersections to walk along the road until they can reconnect with the sidewalk. Along the main artery that runs in front of the school (Edgewood Road), the posted speed limit is 35MPH; however, as you approach the school it becomes 25MPH. The two existing signs seem to be too far away from the school, and as vehicles pass this sign, they increase their speed. It is crucial for the safety of these children to place two more flashing signs that remind motorists of the speed limit.
- 2. Traffic calming signs:** as stated earlier, once vehicles pass the school zone speed limit signs they resume to their average speed posing an evident danger for pedestrians at Edgewood Road. Traffic calming measures are needed to remind

motorist to maintain a safe speed of 25MPH once they approach and drive through the school zone.

- 3. Painted crossing lines:** these lines are present at the intersection of Edgewood Road and Clubview Drive, and Edgewood Road and Sue Mack Drive (where there is also an electronic crossing sign attached to the traffic sign). However, we find that there are a few more areas that could benefit from having painted crossing signs both to alert motorists of the presence of pedestrians, as well as to provide these young pedestrians a specific area along the road where they should cross at intersections.
- 4. Electronic crossing signs and Bicycle racks for the school:** there are two major intersections that children use (Edgewood Road and Clubview Drive, and Edgewood Road and Sue Mack Drive, this last being the only intersection with an electronic crossing sign.) Due to high volume of traffic, and the large number of elementary and middle school age children that reside in this area, we believe that it would be beneficial to have an electronic crossing sign at the other major intersection(s) to provide better safety measures during times when a crossing guard is not present.
- 5. Handicap access:** although the school and most of its surrounding sidewalks do provide handicap accessibility, many of these ramps are deteriorated and would make it very difficult to be handicap accessible. Also, the areas where sidewalks have been cut-off, there is no ramp for remove oneself from the sidewalk and into the road, as well are there is no ramp to get back in the sidewalk where it reconnects. It is crucial to provide continuous and consistent handicap

accessibility in any sidewalks, and especially in those surrounding a residential and school areas.

As stated above, some major issues resulted from both our walk-ability and bike-ability assessments. Our final evaluation of the physical conditions of the roads and sidewalks verify the need for engineering activities to take place in order to address the above mentioned issues. Our evaluations and research demonstrates that only four students at Clubview Elementary School are walking through these roads; which currently do not provide the necessary safety means for children to walk safely to and from school.

However, if we intend to increase the number of children walking and cycling to school, we must provide for an adequate and safe infrastructure to these children. The need for improvements is evident and necessary. Funding for such activities will not only alleviate the poor conditions of these roads, but will also provide safer means for children to walk and bike to school; hence, accomplishing our main goal of increasing the number of cyclist and pedestrians and providing a safe route to and from school for these children.

## **Appendices**

### **Appendix 1**

**2 mile radius map from Clubview Elementary School and  
School district boundary**

## Appendix 2

### Population density map

### **Appendix 3**

#### **Walk-about Checklist – Roadways**

**Appendix 4**

**Sample Student Survey**

**Sample Parent Survey**