

Village of Pinecrest

Safe Routes to School Study



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Safe Routes to School Study

Prepared by:
David Plummer & Associates

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DPA Project #11101



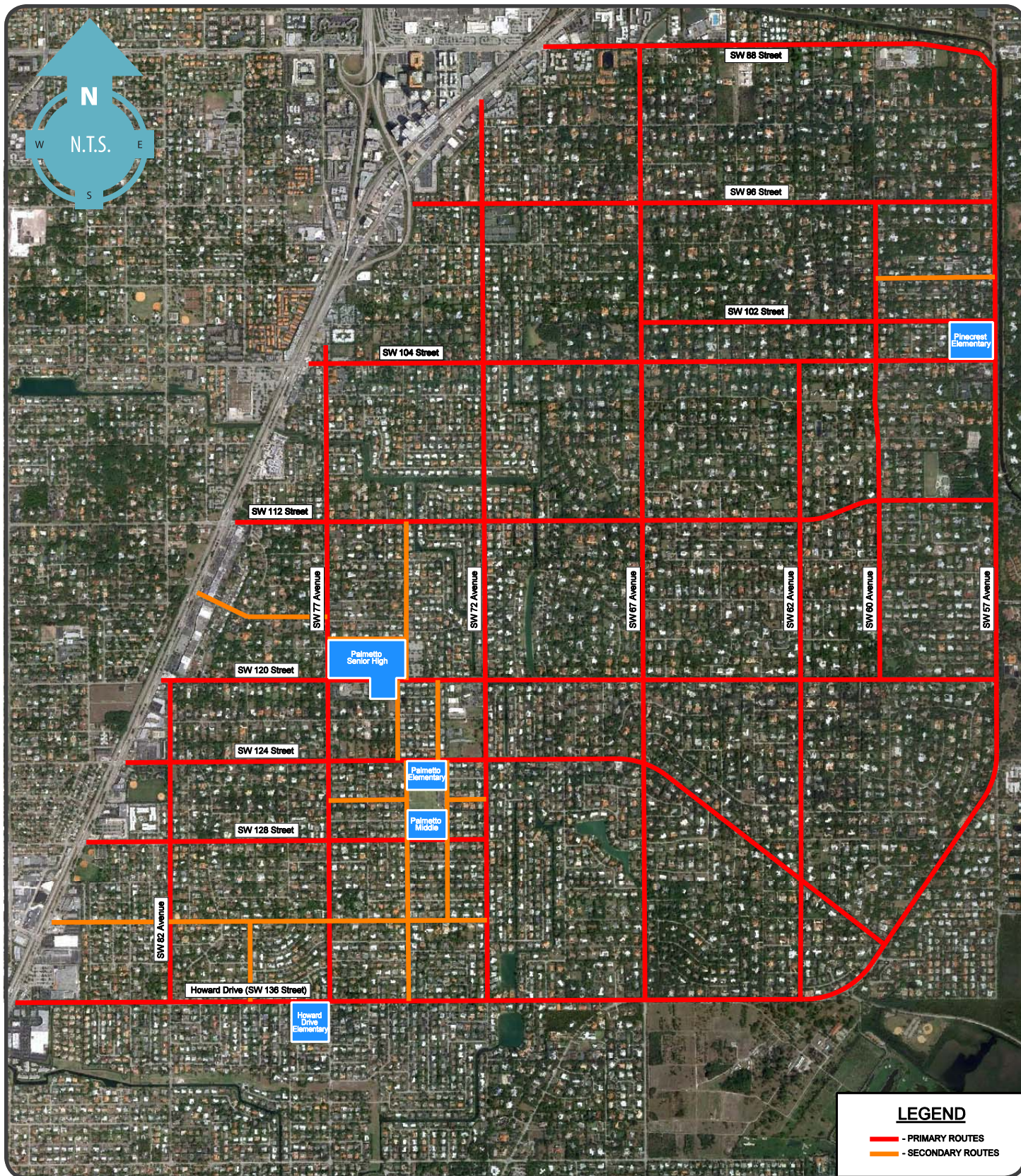
1.0 Background

The Village of Pinecrest is served by a public school system comprised of 3 elementary schools (Pinecrest Elementary, Palmetto Elementary and Howard Drive Elementary), 1 middle school (Palmetto Middle School) and 1 senior high school (Miami Palmetto Senior High School) currently serving approximately 7,000 students. The school locations are graphically portrayed in Exhibit 1. Safe Routes to School (SRTS) is a federally funded program that encourage children, including those with disabilities, to walk and or bicycle to school by providing a safer and more appealing transportation alternative, and, thereby encouraging a healthy and active lifestyle from an early age.

The Safe Routes to School (SRTS) concept began in the 1970s in Odense, Denmark, over concern for the safety of school children walking and bicycling to school. The concept spread internationally, with programs developing in other parts of Europe, Australia, New Zealand, Canada and the United States. Today, The Safe Routes to Schools Program is a Federal-Aid program of the U.S. Department of Transportation's Federal Highway Administration. The Program provides funds to the States to substantially improve the ability of school students to walk and bicycle to school safely. The purposes of the program are:

- to enable and encourage children, including those with disabilities, to walk and bicycle to school,
- to make bicycling and walking to school a safer and more appealing transportation alternative, thereby encouraging a healthy and active lifestyle from an early age; and,
- to facilitate the planning, development, and implementation of projects and activities that will improve safety and reduce traffic, fuel consumption, and air pollution in the vicinity (approximately 2 miles) of schools.

David Plummer & Associates conducted an extensive study to address issues affecting safe access to schools by pedestrian and bicyclist.



PROJECT TITLE: Village of Pinecrest Safe Routes to Schools

EXHIBIT TITLE: Location Map

EXHIBIT

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1.1 Purpose of the Report

The objective of this study is to provide recommendations on how to create a safe pedestrian and bicycle route to the five public schools serving the Village of Pinecrest and to develop a toolbox of pedestrian safety countermeasures that can be used to guide pedestrian safety improvements throughout the village.

2.0 Data Gathering

DPA conducted an extensive data collection effort at the five schools. The data was collected in order to evaluate the pedestrian safety conditions. The data collection effort included:

- Field observations
- Technical Advisory Committee (Village of Pinecrest, School Principals and PTA representatives)
- Users Surveys
- Other Studies

2.1 Field Observations

A comprehensive field review of the roadway system within 2 miles of each of the five schools was conducted as part of this project. A 2 mile radius was chosen because according to the ***State Board of Education Rule 6A-3.001, Basic Principles for Transportation of Students***, a reasonable walking distance for any student is any distance not more than two (2) miles between the home and school. Transportation services are provided by the school district for children who live further than 2 miles from the school. Therefore, the emphasis of the data collection was placed within 2 miles of each school.

Selected local roads observed to carry significant pedestrian traffic were surveyed in the vicinity of the school. However, as the distance to/from the schools increased, field information was gathered on minor arterials and collectors within the 2 mile radius. In every urban environment there exists a system of streets. The arterial system carries the major portion of automobile trips entering and leaving an area. The collector street system penetrates residential neighborhoods

and collects traffic and pedestrians from local streets distributing these from the neighborhoods to the ultimate destination. While the local street system serves primarily to provide direct access to abutting land uses. Pedestrians will generally gravitate towards the collector and/or minor arterial system, creating a system of routes to reach the schools. The study and implementation of improvements along these routes is what creates safe routes to school.

The purpose of the field review was to identify existing deficiencies in the infrastructure leading to each school, pedestrian safety problems or roadway barriers to pedestrian access.

The following data was collected as part of the field observations:

- Major arterial crossings
- Speed in adjacent streets
- Presence of sidewalks or Bike lanes
- Sidewalk conditions (width, surface condition, ADA compliance)
- Pedestrian crossings
- Traffic control devices
- Security Issues
- Access to school entrances

2.2 Technical Advisory Committee

A Technical Advisory Committee was formed to obtain information pertaining to each school. Principals and Parents Teacher's Association (PTA) representatives were invited to meet with village staff. The meeting was held on March 29, 2011. A detailed user survey was created with the assistance of the committee and from guidelines published by the Safe Route to School Program. The forms for each school are presented in Appendix A.

2.3 User Surveys

As part of the data collection effort surveys were conducted at all five schools. A user survey was used, which is considered the best approach to achieve a representative cross section of individuals. Questions included the route currently used to access school, how pedestrians

currently access the schools (mode of transportation), grade(s) child(ren) attend, type of improvements they feel will enhance the walking, difficulties and/or safety issues encountered while walking to school, and the like.

At the beginning of each user survey, the purpose of administering the survey was clearly stated to the user. The survey was performed as open ended, however multiple choice and yes/no answers were provided in some instances to assist those providing feedback. The user surveys were conducted from May 2, 2011 through May 6, 2011.

3.0 Findings and Recommendations

In general, for users surveyed that drove to the school, distance was the main reason they did not walk. However, for those that drove to the school, but could have walked, their main concerns were lack of continuous sidewalks and/or bike paths, speeds of vehicles along the roadways leading to school, and lack of police presence along the way. Specific findings and recommended routes for each school are listed below. However, one general recommendation is that all school signs within the village be updated to the new fluorescent yellow-green faceplates to ensure motorists visibility.

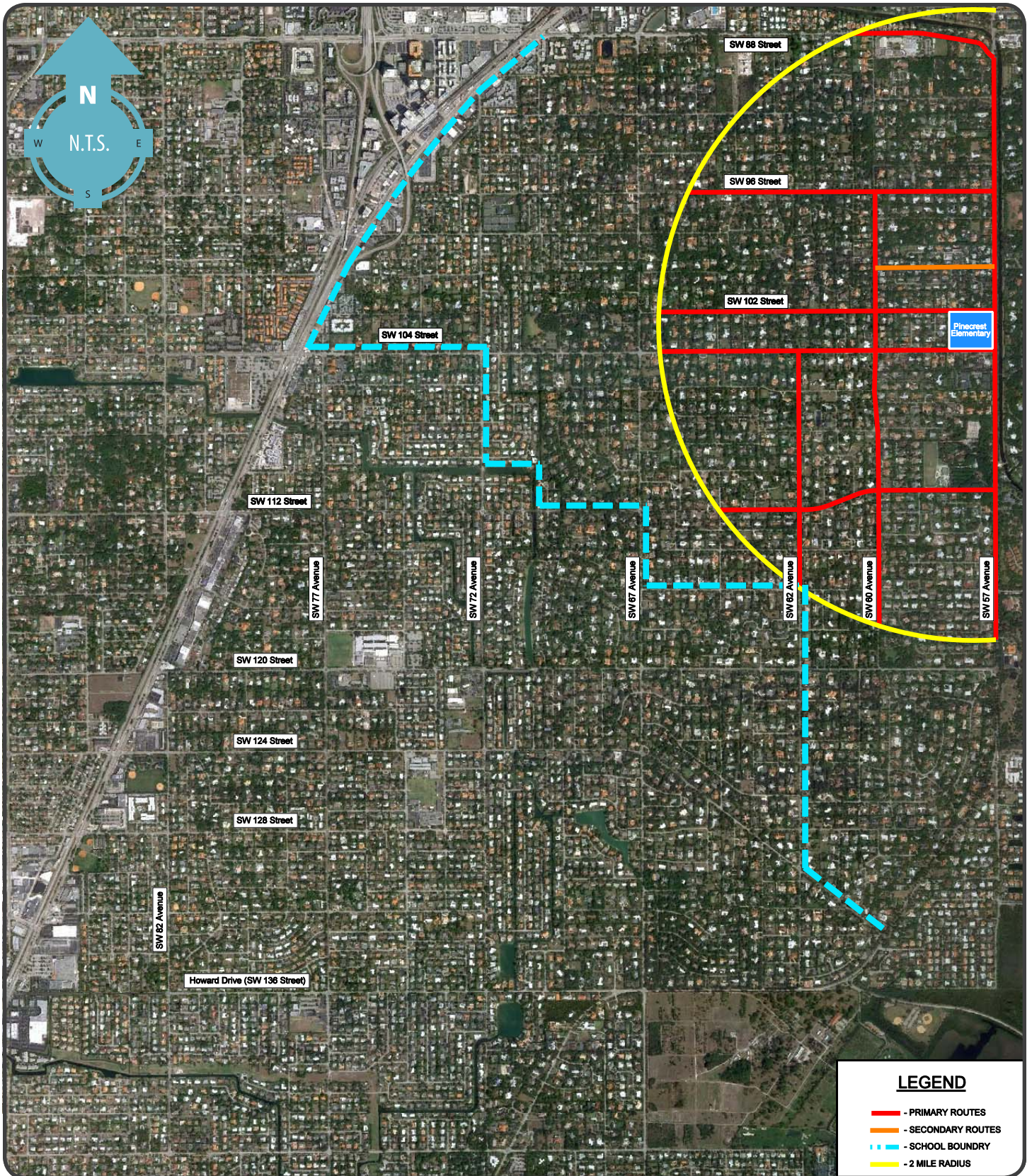
3.1 Pinecrest Elementary

Exhibit 2 shows the routes to school serving Pinecrest Elementary. A description of existing conditions and recommendations is found below.

3.1.1 School Routes

Red Road (SW 57th Avenue) between Kendall Drive (SW 88th Street) and Old Cutler Road.

The roadway is a 2-lane county minor arterial fronting the main entrance and drop-off/pick-up area of Pinecrest Elementary. The posted speed limit is 30 mph between Kendall Drive and SW 96th Street, and 40 mph south of SW 96th Street. A school zone is established between north of SW 102nd Street and south of SW 104th Street. A crossing guard is stationed during school drop-



PROJECT TITLE: Village of Pinecrest Safe Routes to Schools

EXHIBIT TITLE: Pinecrest Elementary

EXHIBIT

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off and pick-up at the intersection with SW 102nd Street. Intersections with SW 88th Street, SW 112th Street and Old Cutler Road are signalized, and provide crosswalks for pedestrians. In addition, a signalized pedestrian mid-block crosswalk is provided south of SW 102nd Street, and an un-signalized mid-block pedestrian signal is available south of SW 104th Street. A canal abuts the east side of the road, and a bike trail is provided adjacent to it. Sidewalks are available on the west side of the road, except for the segments between SW 88th Street and SW 97th Street, and a piece south of SW 100th Street. Street lighting is available on the east side of Red Road between SW 88th Street and SW 104th Street.

SW 60th Avenue between SW 96th Street and SW 118th Street. The roadway is a 2-lane Village collector. The posted speed limit is 30 mph. Existing traffic control devices include all-way stops at SW 96th Street, SW 102nd Street, SW 108th Street and SW 111th Street; and a stop sign at SW 104th Street. The road has been recently narrowed and sidewalks have been constructed on the east side between SW 118th Street and SW 104th Street. Crosswalks have also been marked at all street crossings along this route. A high emphasis crosswalk has been implemented at the intersection of SW 104th Street. Sidewalks along the west side of the road continue between SW 104th Street and SW 96th Street. Street lighting is not available along this road.

SW 62nd Avenue between SW 104th Street and SW 116th Street. The roadway is a 2-lane Village collector with a posted speed limit of 30 mph. Existing traffic control devices include an all-way stop at SW 112nd Street; and a stop sign on SW 104th Street. Sidewalks are not available along this road. An east-west crosswalk is marked at the intersection with SW 112th Street. No other crosswalks are marked at other intersections. Street lighting is not available along this road.

SW 88th Street between Red Road and SW 60th Avenue. The roadway is a 2-lane State principal arterial with a posted speed limit of 30 mph. Existing traffic control devices include a signal at Red Road. Sidewalks are available on the south side of the road. Street lighting is available along this road.

SW 96th Street between Red Road and SW 67th Avenue. The roadway is a local road with a posted speed limit of 30 mph. Existing traffic control devices include a stop sign at Red Road,

and all-way stop signs on SW 60th Avenue, SW 60th Court and SW 63rd Court. Sidewalks or street lighting are not available along this road.

SW 100th Street between Red Road and SW 60th Avenue. The roadway is a local road, and is of special interest since the Wayside Market, a local meeting point for students and parents, is located on the south west corner with Red Road. The road acts as a minor collector for the neighborhood west of Red Road, as well as for area pedestrians. The posted speed limit is 30 mph. Existing traffic control devices include stop signs at SW 60th Avenue and at Red Road. Sidewalks are available on the south side between Red Road and SW 57th Court. Street lighting is not available along this road.

SW 102nd Street between Red Road and SW 65th Avenue. The roadway is a local road and it provides direct access to one of the drop-off/pick-up areas at Pinecrest Elementary School. The posted speed limit is 30 mph. Existing traffic control devices include all-way stop signs at SW 60th Avenue and SW 62nd Avenue, two marked crosswalks in front of Pinecrest Elementary and a stop sign at Red Road. A school zone area is designated between Red Road and approximately SW 58th Court, and a crossing guard is assigned to direct traffic and aide pedestrians I front of the school at drop-off and discharge. Sidewalks are available on both the north and south side between Red Road and SW 60th Avenue. A high emphasis crosswalk is available for the north and west leg of the intersection with SW 60th Avenue. Sidewalks or crosswalks are not available west of SW 60th Avenue. Street lighting is not available along this road.

SW 104th Street between Red Road and SW 65th Avenue. The roadway is a Village Collector that provides direct access to one of the drop-off/pick-up areas at Pinecrest Elementary School. The posted speed limit is 35 mph. Existing traffic control devices include high emphasis crosswalks at SW 60th Avenue, a marked mid-block crosswalk in front of Pinecrest Elementary, with a police officer directing the street crossing during drop-off and pick-ups, and a stop sign at Red Road. A school zone area is designated between Red Road and approximately SW 58th Court. Sidewalks are available on both the north and south side between Red Road and SW 58th Court, and on the south side west of SW 58th Court. Sidewalks are available on the south side of the road west of SW 58th Court. Street lighting is not available along this road.

SW 112th Street between Red Road and SW 64th Avenue. The roadway is a Village Collector with a posted speed limit is 35 mph. Existing traffic control devices include all-way stop signs at SW 60th Avenue and SW 62nd Avenue; and a traffic signal at Red Road. Sidewalks are available on the south side of the road. A striped crosswalk is available approximately 600' west of Red Road for pedestrians crossing SW 112th Street for access into the Pinecrest Gardens. Crosswalks are marked at all intersections along SW 112th Street, except for SW 60th Court and SW 59th Court. Street lighting is not available along this road.

3.1.2 User Surveys

A total of 1,000 surveys were distributed to the school. Approximately 235 responses were obtained. The results show that approximately 70% of the children live within 2 miles from school (see Exhibit 3), and 80% of the children arrive /leave school by vehicle (see Exhibit 4). The main factors that would promote walking and/or biking to school (graphically portrayed in Exhibit 5) include the availability of sidewalks and/or bike paths along routes to school, additional crossing guards at heavy intersections and greater police presence and/or monitors along the routes. Suggestions to facilitate the goal include:

- Establish groups with established meeting points and times;
- Provide safety training at school;
- Provide safe parking and lockers for bikes;
- Trim landscape along SW 60th Avenue;
- Enforce no-cell-use laws in school zone;
- Increase police presence along routes;
- Provision of a crossing guard at the intersection of Red Road/SW 104th Street;
- Improve pedestrian crossing at the intersection of SW 60th Avenue/SW 104th Street;
- Construct sidewalks along SW 62nd Avenue, SW 102nd Street and SW 100th Street;
- Improve street crossings at Red Road/SW 112th Street; and,
- Slow down traffic along SW 62nd Avenue and SW 102nd Street.

Appendix B-1 provides detailed information obtained from the surveys for Pinecrest Elementary.

EXHIBIT 3
Village of Pinecrest Safe Routes to School Study
Pinecrest Elementary School

Grades	PK	K	1	2	3	4	5
%	3.4%	17.3%	25.8%	11.2%	16.9%	15.6%	9.8%

Distance Traveled (all modes) in miles			
< 0.5 mi	0.5 - 1.0 mi	1.0 - 2.0 mi	> 2.0 mi
11.7%	13.0%	44.3%	30.9%

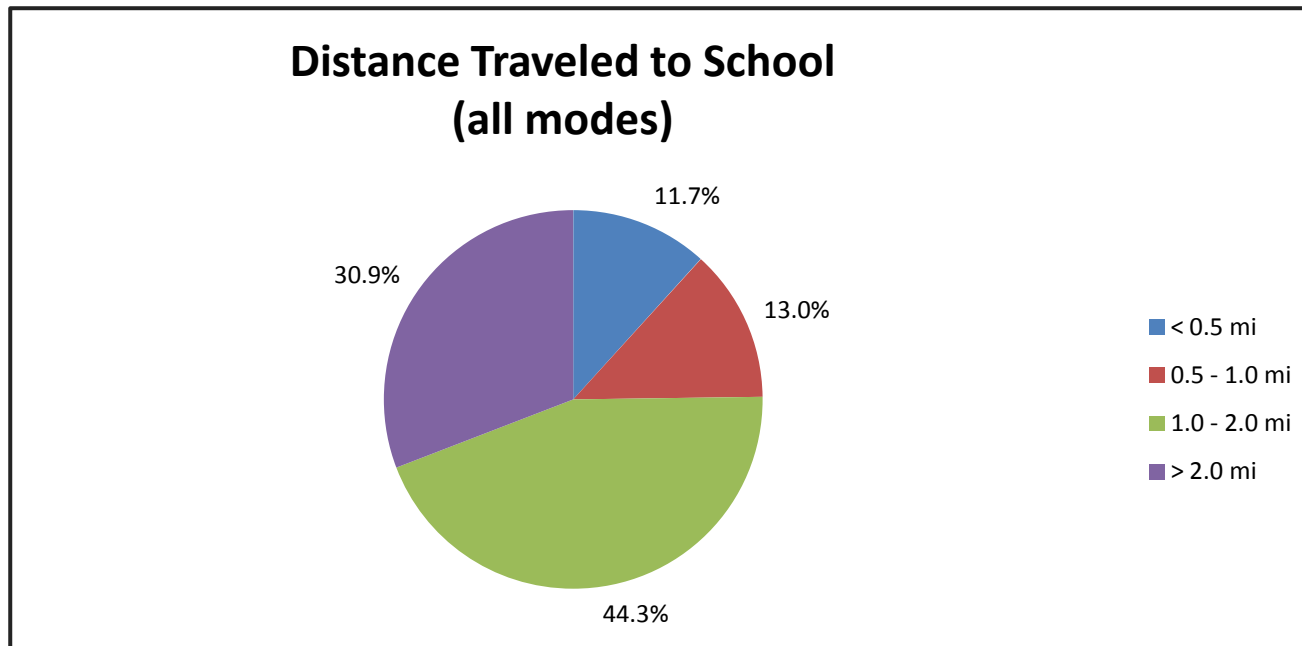


EXHIBIT 4
Survey Summary
Pinecrest Elementary School

Travel Mode						
<i>Walk</i>	<i>Bike</i>	<i>car</i>	<i>sch bus</i>	<i>priv bus</i>	<i>pub bus</i>	<i>other</i>
6.8%	1.5%	80.8%	6.4%	2.3%	0.8%	1.5%

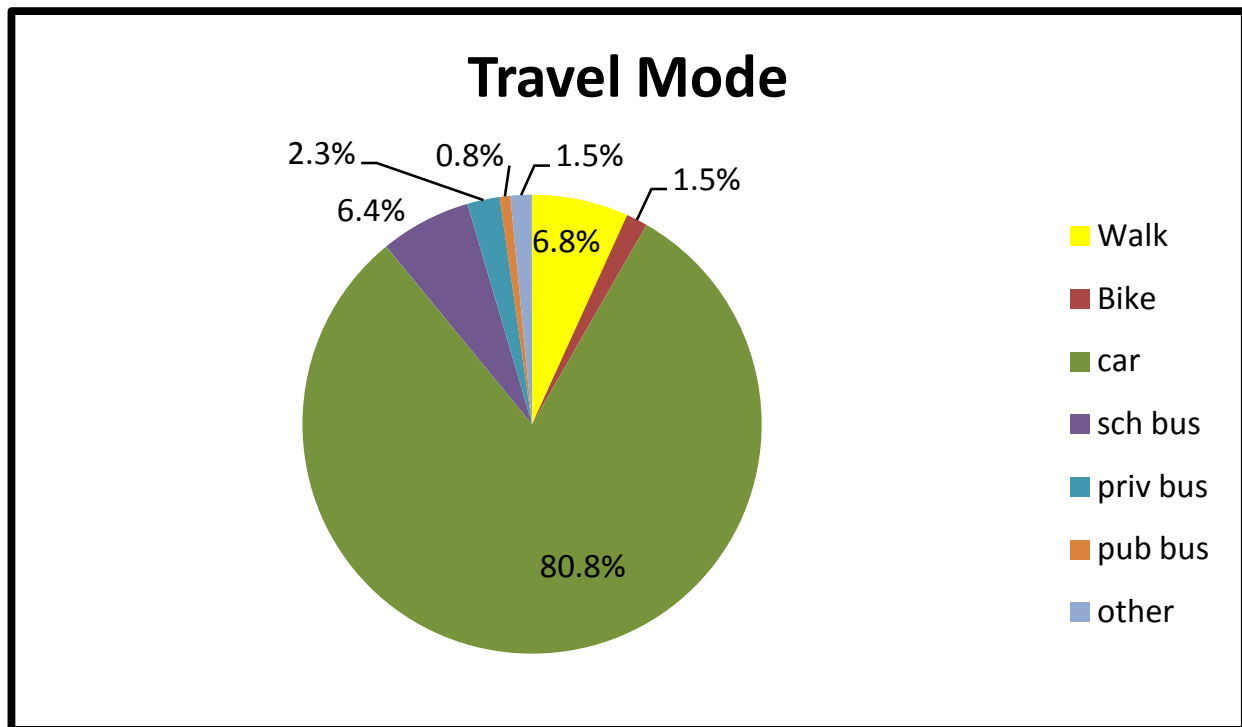
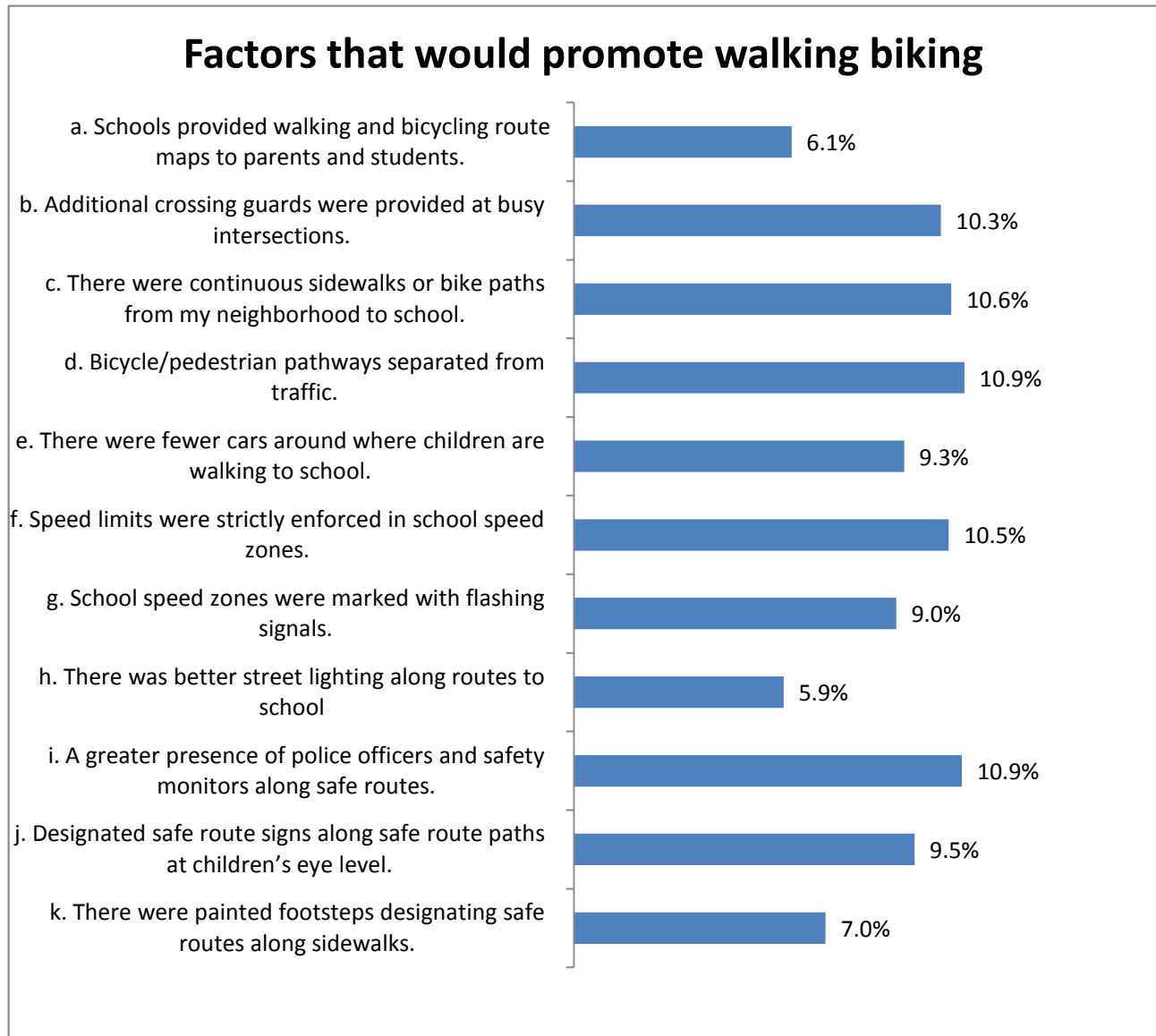


EXHIBIT 5
Survey Summary
Pinecrest Elementary School

Factors that would promote walking biking	
a. Schools provided walking and bicycling route maps to parents and students.	6.1%
b. Additional crossing guards were provided at busy intersections.	10.3%
c. There were continuous sidewalks or bike paths from my neighborhood to school.	10.6%
d. Bicycle/pedestrian pathways separated from traffic.	10.9%
e. There were fewer cars around where children are walking to school.	9.3%
f. Speed limits were strictly enforced in school speed zones.	10.5%
g. School speed zones were marked with flashing signals.	9.0%
h. There was better street lighting along routes to school	5.9%
i. A greater presence of police officers and safety monitors along safe routes.	10.9%
j. Designated safe route signs along safe route paths at children's eye level.	9.5%
k. There were painted footsteps designating safe routes along sidewalks.	7.0%



3.1.3 Pinecrest Elementary Recommendations

Recommendations to the Pinecrest Elementary Routes to School are described below and graphically portrayed in Exhibit 6.

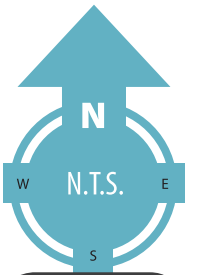
Red Road (SW 57th Avenue) between Kendall Drive (SW 88th Street) and Old Cutler Road.

Sidewalks and marked crosswalks on the west side of the road are recommended between SW 88th Street and SW 100th Street. School zone radar speed signs are recommended at the beginning of the school zone (north of SW 102nd Street for the southbound traffic, and south of SW 104th Street for the northbound traffic approaching the school), which are an effective measure in slowing cars down. In addition, solar operated pedestrian activated flashers are recommended at the existing crosswalks on SW 102nd Street, SW 104th Street and south of the existing crosswalk north of SW 112th Street (in front of Pinecrest Gardens). High emphasis crosswalks should be installed at the SW 104th Street intersection. Pedestrian countdown signals are also recommended at the signalized intersections along the route: Kendall Drive, SW 112th Street and Old Cutler Road.

SW 60th Avenue between SW 96th Street and SW 118th Street. A high emphasis crosswalk has been implemented at the intersection of SW 104th Street. However, this is a busy intersection and speed is an issue when pedestrians cross the street. Solar powered pedestrian activated flashers to alert motorists of the presence of pedestrians are recommended at this crossing, as well as the SW 102nd Street crossing. Crosswalks at minor streets are recommended between SW 104th Street and SW 116th Street. High emphasis crosswalks are recommended at major intersections: SW 96th Street, SW 108th Street and SW 112th Street.

SW 62nd Avenue between SW 104th Street and SW 116th Street. Sidewalks on the west side of the road and crosswalks are recommended along this route.

SW 96th Street between Red Road and SW 67th Avenue. A traffic calming device, such as a tear drop, may be beneficial at this roadway mid-block between Red Road and SW 60th Avenue and between SW 60th Court and SW 63rd Court. Sidewalks and crosswalks are recommended on the south side of the road along the route. High emphasis crosswalks at the all-way stop controlled



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EXHIBIT

PROJECT TITLE: Village of Pinecrest Safe Routes to Schools

EXHIBIT TITLE: Pinecrest Elementary



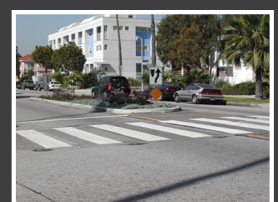
LEGEND



School Zone Radar Speed Sign



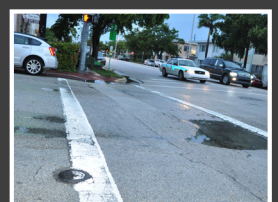
Construct Sidewalks



High Emphasis Crosswalk Markings



Solar Powered Flashers



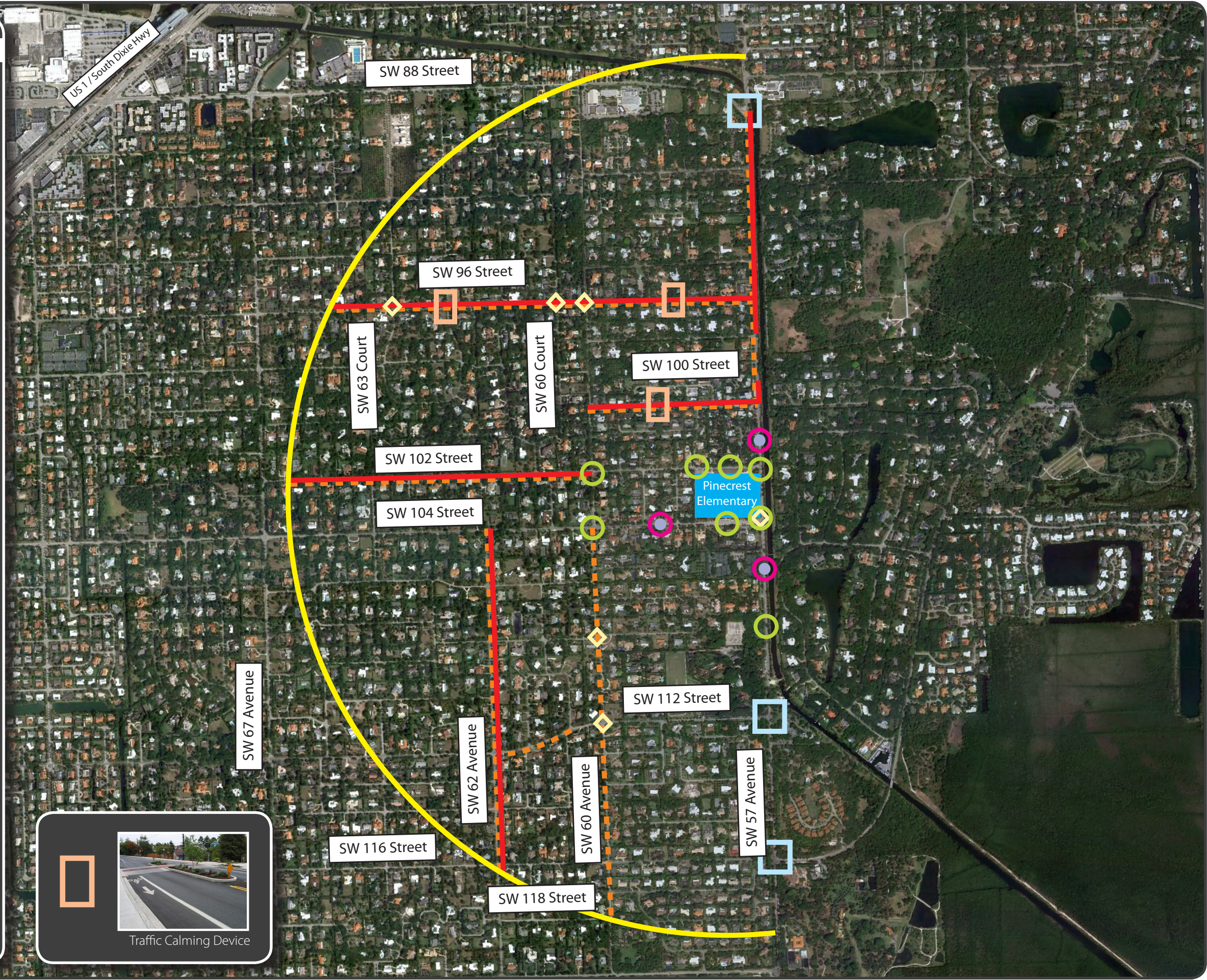
Provide Crosswalks



Pedestrian Countdown Signal



Traffic Calming Device



intersections along this route (SW 60th Avenue, SW 60th Court and SW 63rd Court) are recommended.

SW 100th Street between Red Road and SW 60th Avenue. High speeds were reported at this roadway segment. A traffic calming device, such as a tear drop, is recommended mid-block (between SW 58th and 59th Avenues). Sidewalks and crosswalks are recommended along the south side of the road along the route. Crosswalks at SW 60th Avenue to access the newly installed sidewalk (on the north side of SW 60th Avenue) is also recommended.

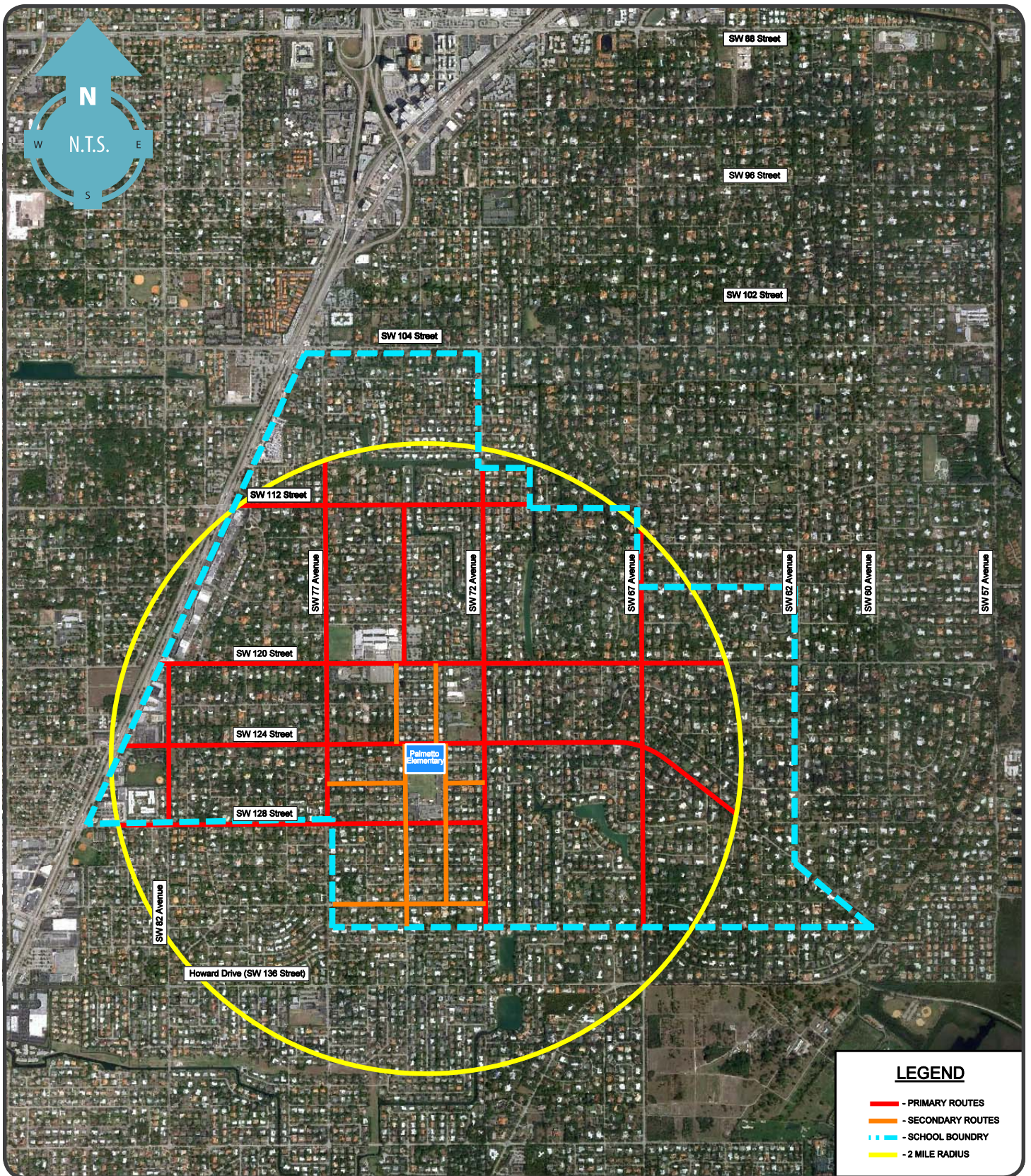
SW 102nd Street between Red Road and SW 67th Avenue. Sidewalks and crosswalks are recommended along the north side of the road west of SW 60th Avenue to SW 67th Avenue. A high emphasis crosswalk is available for the north and west leg of the intersection with SW 60th Avenue. Solar powered pedestrian activated flashers are recommended at the intersection with SW 60th Avenue, midblock at the two crosswalks in front of the school, and at Red Road.

SW 104th Street between Red Road and SW 67th Avenue. Solar powered pedestrian activated flashers are recommended at SW 60th Avenue, and at the mid-block pedestrian crosswalk in front of the school and the SW 104th Street intersections. School zone radar speed signs are recommended at the beginning of the school zone (west of SW 58th Court).

SW 112th Street between Red Road and SW 64th Avenue. Crosswalks are recommended at the intersections of SW 112th Street with SW 60th Court and SW 59th Court. High emphasis crosswalks are recommended at the all-way stop controlled intersection with SW 60th Avenue. Pedestrian countdown signals are recommended at the intersection with Red Road.

3.2 Palmetto Elementary

Exhibit 7 shows routes to school serving Palmetto Elementary. A description of existing conditions and recommendations is found below.



PROJECT TITLE: Village of Pinecrest Safe Routes to Schools

EXHIBIT TITLE: Palmetto Elementary

EXHIBIT

7

3.2.1 School Routes

SW 67th Avenue between SW 116th Street and school boundary (approximately SW 133rd Street). The roadway is a 2-lane Village collector. The posted speed limit is 35 mph. Existing traffic control devices include signals at SW 120th Street and SW 124th Street. Sidewalks are available on the west side of the road. In general, crosswalks are available major signalized intersections only. Street lighting is not available along this road.

SW 72nd Avenue between the north and south school boundaries (north of SW 110th Terrace and SW 133rd Street). The roadway is a Village collector. The posted speed limit is 30 mph. Existing traffic control devices include a signal at SW 112nd Street; and all-way stop signs at SW 120th Street, SW 124th Street, SW 128th Street and SW 132nd Street. Sidewalks are available on both sides of the street except for the following gaps:

- Sidewalk missing on the east side between SW 118th Street and SW 116th Street;
- SW 128th Street to SW 129th Street, sidewalk missing on the west side;
- SW 131st Street to SW 132nd Street, sidewalk missing on the east side.

High emphasis crosswalks are available at SW 112th Street and SW 120th Street. Painted crosswalks are existing at SW 124th Street, SW 128th Street and SW 132nd Street. Crosswalks are not available at minor intersections. Street lighting is not available along this road.

SW 73rd Avenue between SW 120th Street and SW 132nd Street. The roadway is a two lane local road which abuts Palmetto Elementary on the east and is adjacent to one of the drop-off areas of the school. The posted speed limit is 30 mph. School zones are established between north of SW 124th Street and south of SW 128th Street. Existing traffic control devices include two-way stop sign at SW 120th Street and SW 124th Street; and all-way stop signs at SW 128th Street. Sidewalks are existing on the west side of the road between SW 120th Street and SW 128th Street. There are no sidewalks south of SW 128th Street. High emphasis crosswalks are available at all legs of the intersection with SW 128th Street. No other crosswalks are available along this road. Street lighting is not available along this road.

SW 74rd Avenue/Court between SW 112th Street and SW 130th Street. The roadway is a two lane local road which abuts Palmetto Elementary on the west and is adjacent to the main entrance and drop-of/pick-up area of the school. It also abuts Palmetto Senior High to the north. The posted speed limit is 30 mph. School zones are established between north of SW 124th Street and south of SW 128th Street. Existing traffic control devices include two-way stop signs at SW 112th Street, SW 120th Street and SW 124th Street; all-way stop signs at SW 128th Street, and a mid-block signalized high emphasis crosswalk north of SW 128th Street for access to Palmetto Elementary and Palmetto Middle School. Sidewalks are existing on the west side of the road between SW 112th Street and SW 124th Street, and on the east side between SW 124th Street and SW 130th Street. Crosswalks are available on SW 118th Street, in front of Miami-Palmetto Senior High School (2 painted crosswalks), SW 120th Street, SW 124th Street and SW 128th Street. Street lighting is not available along this road.

SW 77th Avenue between SW 110th Street and SW 132nd Street. The roadway is a two-lane Village collector. The posted speed limit is 35 mph. Existing traffic control devices include signals at SW 112th Street, SW 120th Street and SW 124th Street. Sidewalks are existing on the west side of the road throughout this segment, and they are existing on the east side between SW 124th Street and SW 130th Street. Crosswalks are available at the following signalized intersections: SW 112th Street, SW 120th Street (high emphasis crosswalks at all approaches), SW 124th Street and SW 128th Street. Crosswalks at minor streets are available between SW 112th Street and SW 124th Street, but do not continue south of SW 124th Street. Street lighting is not available along this road.

SW 82nd Avenue between SW 120th Street and SW 128th Street. The roadway is a two-lane Village collector. The speed limit is 30 mph. Existing traffic control devices include a two-way stop sign at SW 120th Street, a signal at SW 124th Street, and an all-way stop at SW 128th Street. Sidewalks are existing on the west side of the road between SW 121st Street and SW 128th Street, and on the east side between SW 120th Street and SW 124th Street. Crosswalks are available at major intersections: SW 124th Street SW 128th Street. Crosswalks at minor streets are not available. Street lighting is not available along this road.

SW 112th Street between US 1 and SW 70th Avenue. The roadway is a two-lane Village collector. The speed limit is 35 mph. Existing traffic control devices include signals at US 1, SW 77th Avenue and SW 72nd Avenue. Sidewalks are continuous along the south side of the road. Sidewalks on the north side are existing between US 1 and SW 78th Court, and segmented portions east of SW 77th Avenue. Crosswalks are available at SW 77th Avenue and high emphasis crosswalks at SW 72nd Avenue. Crosswalks at minor streets are not available. Street lighting is not available along this road.

SW 120th Street between US 1 and SW 62nd Avenue. The roadway is a two-lane Village collector. The speed limit is 35 mph. School zones are marked between east of SW 74th Avenue and west of SW 77th Avenue. Existing traffic control devices include a stop sign at US 1, all-way stops at SW 72nd Avenue and SW 62nd Avenue, signals at SW 77th Avenue and SW 67th Avenue, and two marked midblock crosswalks west of SW 74th Avenue in front of the Miami-Palmetto Senior High School. Sidewalks are continuous along the south side of the road between SW 82nd Avenue and SW 69th Place. Sidewalks on the north side are continuous between SW 77th Avenue and approximately 300' east of SW 72nd Avenue. High emphasis crosswalks are available at SW 77th Avenue and SW 72nd Avenue. Crosswalks at minor streets are not available. Street lighting is not available along this road.

SW 124th Street between US 1 and SW 64th Avenue. The roadway is a two-lane Village collector which abuts an access point to Palmetto Elementary. Drop-off/pick-up to/from school takes place in a third eastbound lane adjacent to the school. In addition, the right of way along the north portion of the road in front of the school is used as parking for parents accessing the school. A crossing guard is provided during drop-off/pick-up times. The speed limit is 35 mph. A speed zone is stabled east of SW 73rd Avenue and west of SW 74th Avenue. Existing traffic control devices include signals at US 1, SW 82nd Avenue, SW 77th Avenue and SW 67th Avenue, an all-way stop at SW 72nd Avenue, a crosswalk at SW 74th Avenue and a signalized high emphasis crosswalk midblock between SW 74th Avenue and SW 73rd Avenue in front of Palmetto Elementary School. Sidewalks are continuous along the south side of the road, on the north side; sidewalks are existing between SW 74th Court and SW 69th Place. Crosswalks are

available at major intersections (US 1, SW 82nd Avenue, SW 77th Avenue and SW 72nd Avenue), but not at minor streets. Street lighting is not available along this road.

SW 126th Street between SW 77th Avenue and SW 72nd Avenue. The roadway is a two-lane local road. The speed limit is 30 mph. Existing traffic control devices include 2-way stop signs at SW 77th Avenue, SW 74th Avenue, SW 73rd Avenue and SW 72nd Avenue. There are no sidewalks or crosswalks along this route. Street lighting is not available along this road.

SW 128th Street between SW 83rd Court and SW 71st Avenue. The roadway is a two-lane local road providing direct access to Palmetto Middle School. A crossing guard is available in front of the school during drop-off/pick-up times. The posted speed limit is 35 mph. A school zone is available from east of SW 73rd Avenue to west of SW 74th Avenue. Existing traffic control devices include signals at and SW 77th Avenue; all-way stops at SW 82nd Avenue, SW 74th Avenue, SW 73rd Avenue and SW 72nd Avenue and a mid-block high emphasis cross walk between SW 73rd Avenue and SW 74th Avenue in front of Palmetto Middle School. There are continuous sidewalks on both sides of this segment. Crosswalks are available at major intersections (SW 82nd Avenue, SW 77th Avenue, SW 74th Avenue, SW 73rd Avenue and SW 72nd Avenue), but not at minor streets. Street lighting is not available along this road.

SW 132nd Street between SW 77th Avenue and SW 72nd Avenue. The roadway is a two-lane Village collector. The speed limit is 30 mph. Existing traffic control devices include a signal at SW 77th Avenue, and all-way stop signs at SW 72nd Avenue and SW 74th Avenue. Sidewalks are not available on this section of roadway. Crosswalks are available only at major intersections (SW 72nd Avenue and SW 77th Avenue), but not at minor streets. Street lighting is not available along this road.

3.2.2 User Surveys

A total of 620 surveys were distributed to the school. Approximately 95 responses were obtained. The results show that approximately 80% of the children live within 2 miles from school (see Exhibit 8), and 85% of the children arrive /leave school by vehicle (see Exhibit 9).

EXHIBIT 8
Village of Pinecrest Safe Routes to School Study
Palmetto Elementary School

Grades	PK	K	1	2	3	4	5
%	4.3%	8.6%	20.7%	13.8%	18.1%	11.2%	23.3%

Distance Traveled (all modes) in miles			
< 0.5 mi	0.5 - 1.0 mi	1.0 - 2.0 mi	> 2.0 mi
33.0%	27.7%	20.2%	19.1%

**Distance Traveled to School
(all modes)**

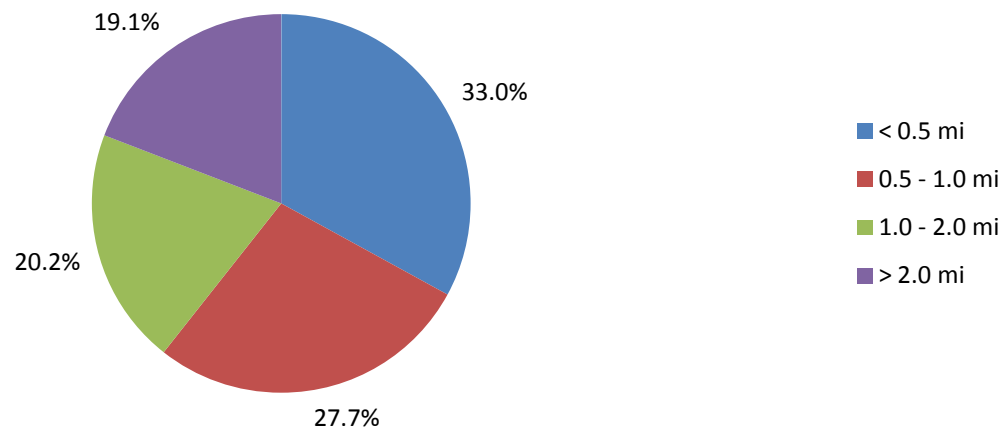
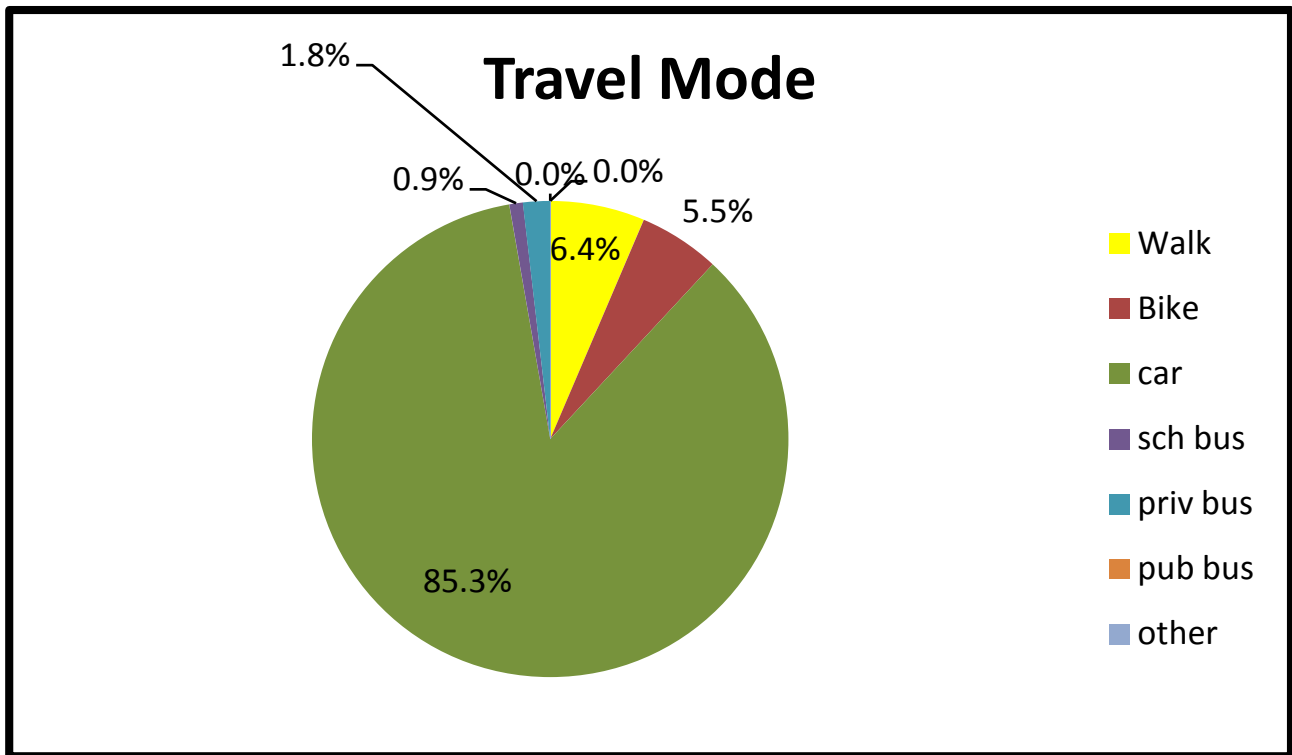


EXHIBIT 9
Survey Summary
Palmetto Elementary School

Travel Mode						
<i>Walk</i>	<i>Bike</i>	<i>car</i>	<i>sch bus</i>	<i>priv bus</i>	<i>pub bus</i>	<i>other</i>
6.4%	5.5%	85.3%	0.9%	1.8%	0.0%	0.0%



The main factors that would promote walking and/or biking to school (graphically portrayed in Exhibit 10) include greater police presence, enforcement of speed limits, and the availability of sidewalks and/or bike paths along routes to school. Suggestions to facilitate pedestrian access included the following:

- Designate safe routes;
- Establish meeting points and times;
- Provide safe bike storage at school;
- Speeding reported at the following roadways: SW 70th, 72nd, 73rd, 74th & 77th Avenues and SW 126th, 124th & 120th Streets;
- Improve crossings at: SW 77 Avenue with 128th, 124th, 120th & 112th Streets; SW 128th Street / SW 74th Avenue; SW 124th Street / 67th Avenue; SW 120th Street with SW 72nd & 74th Avenue;
- Provide an additional crosswalk at the back gate of school (SW 73rd Ave between 125th-126th Streets);
- Provide painted crosswalks on SW 124th Street on SW 73rd Avenue & SW 74th Court;
- Trim landscape along SW 112 Street/SW 77 Avenue.

Appendix B-2 provides detailed information obtained from the surveys for Palmetto Elementary.

3.2.3 Palmetto Elementary Recommendations

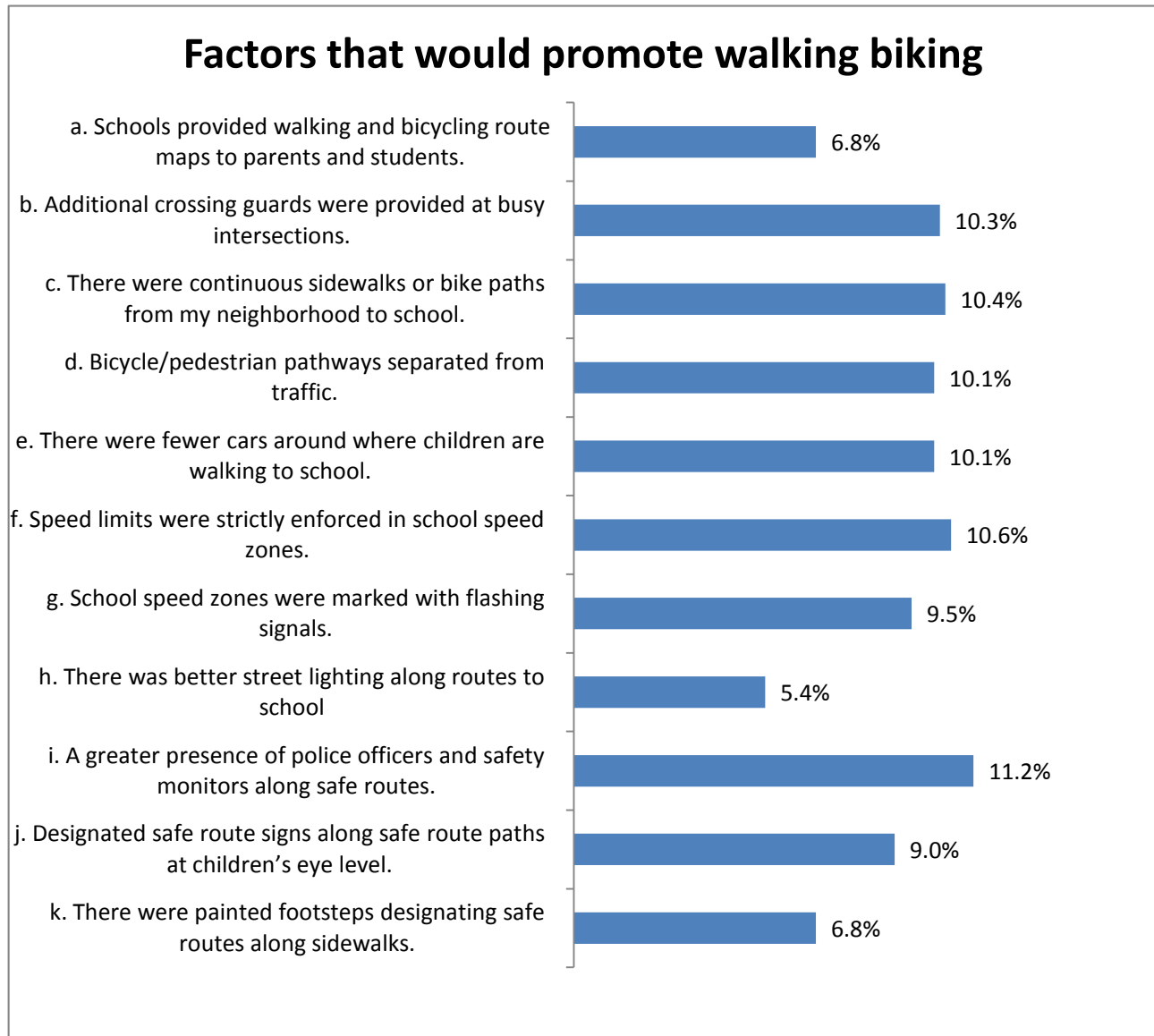
Recommendations to the Palmetto Elementary Routes to School are described below and graphically portrayed in Exhibit 11.

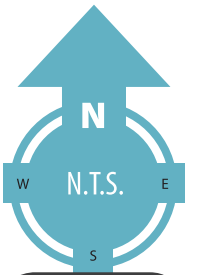
SW 67th Avenue between SW 116th Street and school boundary (approximately SW 133rd Street). Crosswalks at minor streets are recommended. Pedestrian countdown signals are also recommended at the signalized intersections along the route: SW 120th Street and SW 124th Street.

SW 72nd Avenue between the north and south school boundaries (north of SW 110th Terrace and SW 133rd Street). Sidewalks are recommended at the following existing gaps:

EXHIBIT 10
Survey Summary
Palmetto Elementary School

Factors that would promote walking biking	
a. Schools provided walking and bicycling route maps to parents and students.	6.8%
b. Additional crossing guards were provided at busy intersections.	10.3%
c. There were continuous sidewalks or bike paths from my neighborhood to school.	10.4%
d. Bicycle/pedestrian pathways separated from traffic.	10.1%
e. There were fewer cars around where children are walking to school.	10.1%
f. Speed limits were strictly enforced in school speed zones.	10.6%
g. School speed zones were marked with flashing signals.	9.5%
h. There was better street lighting along routes to school	5.4%
i. A greater presence of police officers and safety monitors along safe routes.	11.2%
j. Designated safe route signs along safe route paths at children's eye level.	9.0%
k. There were painted footsteps designating safe routes along sidewalks.	6.8%





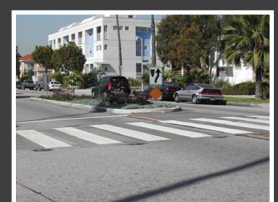
LEGEND



School Zone Radar Speed Sign



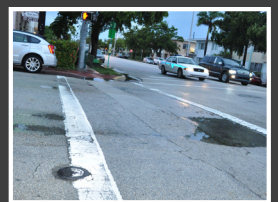
Construct Sidewalks



High Emphasis Crosswalk Markings



Solar Powered Flashers



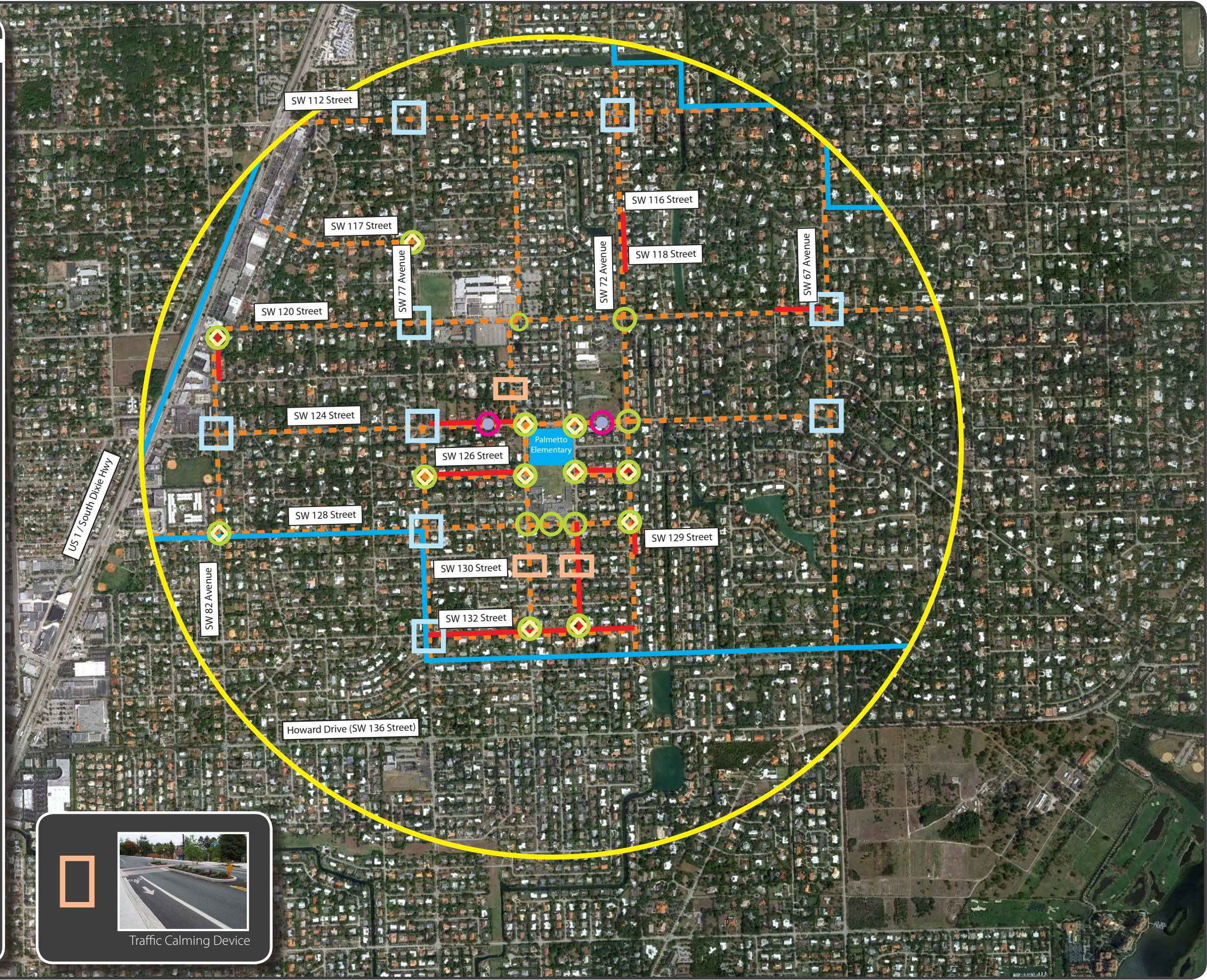
Provide Crosswalks



Pedestrian Countdown Signal



Traffic Calming Device



- east side between SW 118th Street and SW 116th Street; and,
- west side between SW 128th Street and SW 129th Street.

Crosswalks are recommended at minor intersections along this route. Solar powered pedestrian activated flashers are recommended at the intersections with SW 120th Street, SW 124th Street, SW 126th Street and SW 128th Street. High emphasis crosswalks are recommended at SW 126th Street and SW 128th Street. Pedestrian countdown signals are also recommended at the signalized intersections with SW 112th Street.

SW 73rd Avenue between SW 120th Street and SW 132nd Street. Sidewalks and crosswalks are recommended south of SW 128th Street to SW 132nd Street. High emphasis crosswalks with pedestrian activated solar powered flashers are recommended at the intersections with SW 124th Street, SW 126th Street, and SW 132nd Street. Pedestrian activated solar powered flashers are recommended in addition to the existing high emphasis crosswalks at SW 128th Street. High speeds were reported in the surveys for this road. A traffic calming device, such as a tear drop or a traffic circle, is recommended between SW 128th Street and SW 132nd Street.

SW 74rd Avenue/Court between SW 112th Street and SW 130th Street. Crosswalks at minor intersections along the route are recommended. Pedestrian activated solar powered flashers are recommended at the intersections with SW 120th Street, SW 124th Street, SW 126th Street, and SW 132nd Street. Pedestrian activated solar powered flashers are recommended in addition to the existing high emphasis crosswalks at SW 128th Street. High speeds were reported in the surveys for this road. A traffic calming device, such as a tear drop or a traffic circle, is recommended between SW 120th Street and SW 124th Street; and, between SW 128th Street and SW 132nd Street.

SW 77th Avenue between SW 112th Street and SW 132nd Street. Crosswalks at minor streets should be continued south of SW 124th Street. High emphasis crosswalks and pedestrian activated solar powered flashers are recommended at the intersection with SW 117th Street and SW 126th Street. Pedestrian countdown signals are recommended at all signalized intersections along the route: SW 112th Street, SW 120th Street, SW 124th Street, SW 128th Street and SW 132nd Street.

SW 82nd Avenue between SW 120th Street and SW 128th Street. Sidewalks are recommended on the west side of the road between SW 120th Street SW 121st Street for continuity. Crosswalks at minor streets along the routes are also recommended. High emphasis crosswalks with pedestrian activated solar powered flashers are recommended at the SW 120th Street and SW 128th intersections. Pedestrian countdown signals are recommended at the SW 124th Street signal.

SW 112th Street between US 1 and SW 70th Avenue. Crosswalks at minor streets are recommended. Pedestrian countdown signals are recommended at the SW 77th Avenue and SW 72nd Avenue signals.

SW 117th Street between US 1 and SW 70th Avenue. Crosswalks at minor streets are recommended.

SW 120th Street between US 1 and SW 62nd Avenue. Construct sidewalks on the south side of the street east of SW 69th Place. Provide crosswalks at minor streets along the route. Pedestrian countdown signals are recommended at the signalized intersections along the route: SW 67th Avenue and SW 77th Avenue. High emphasis crosswalks along with pedestrian activated solar powered flashers are recommended at the SW 82nd Avenue intersection. Solar powered pedestrian activated flashers are recommended at SW 72nd Avenue.

SW 124th Street between US 1 and SW 64th Avenue. School zone radar speed limit signs are recommended at the beginning of the school zone: east of SW 73rd Avenue for the westbound traffic, and west of SW 74th Avenue for the eastbound traffic. Sidewalks are recommended on the south side between SW 74th Avenue and SW 77th Avenue. Crosswalks are recommended at minor streets. High emphasis crosswalks with pedestrian activated solar powered flashers are recommended at the intersections with SW 73rd Avenue and SW 74th Avenue. Pedestrian activated solar powered flashers are recommended at the intersections with SW 72nd Avenue. Pedestrian countdown signals are also recommended at the signalized intersections along the route: SW 67th Avenue, SW 77th Avenue and SW 82nd Avenue.

SW 126th Street between SW 77th Avenue and SW 72nd Avenue. Sidewalks and crosswalks are recommended on the north side of the road along this route. High emphasis crosswalks with pedestrian activated solar powered flashers are recommended at the intersections with SW 72nd Avenue, SW 73rd Avenue, SW 74th Avenue and SW 77th Avenue.

SW 128th Street between SW 83rd Court and SW 71st Avenue. Crosswalks are recommended at minor streets. High emphasis crosswalks with pedestrian activated solar powered flashers are recommended at the intersections with SW 72nd Avenue and SW 82nd Avenue. Solar powered flashers are recommended at the intersections with SW 73rd Avenue, SW 74th Avenue and at the midblock crosswalk. Pedestrian countdown signals are recommended at the SW 77th Avenue signal.

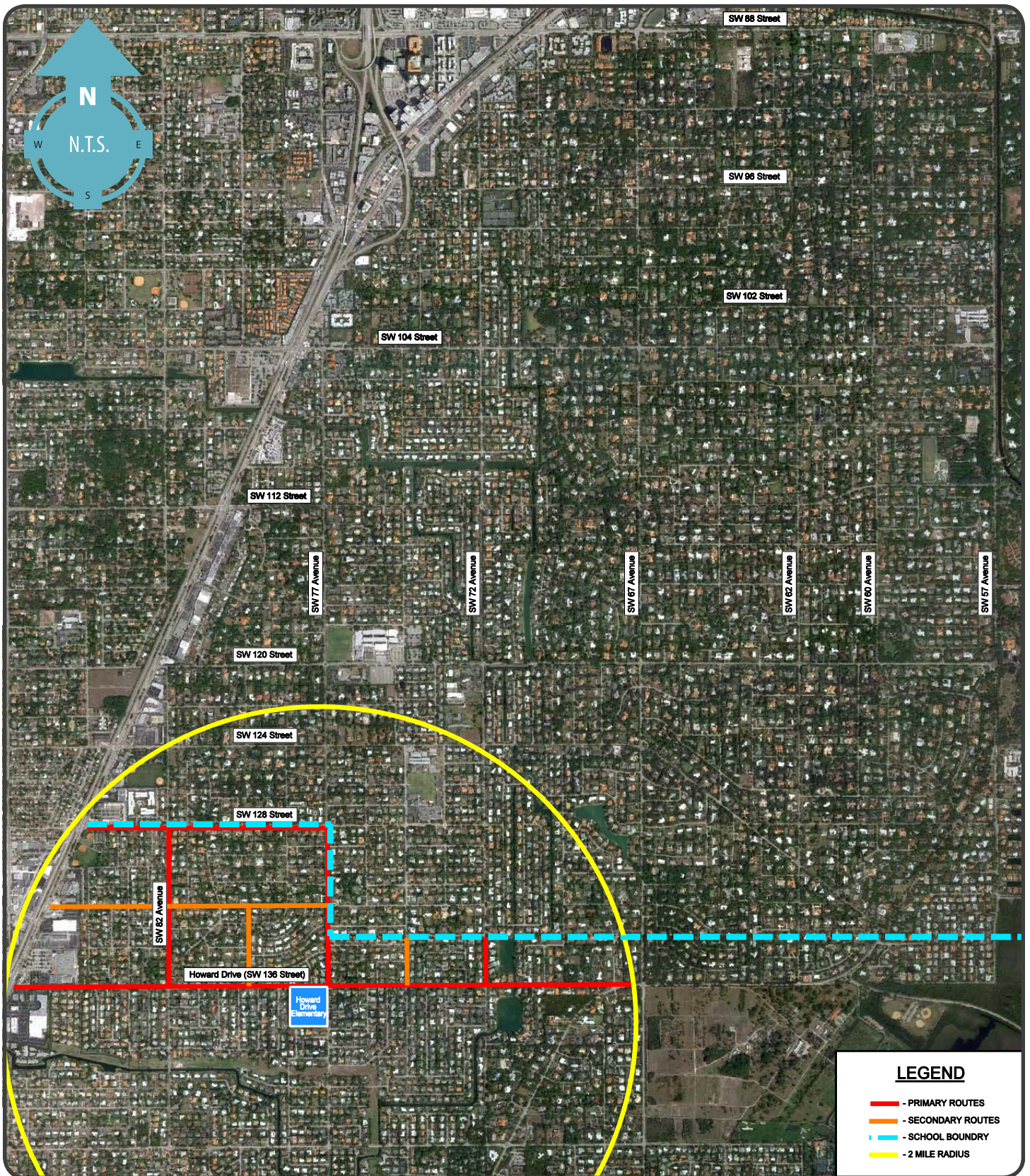
SW 132nd Street between SW 77th Avenue and SW 72nd Avenue. Sidewalks and crosswalks at minor streets are recommended along this section of roadway. High emphasis crosswalks with pedestrian activated solar powered flashers are recommended the intersections with SW 73rd Avenue and SW 74th Avenue. Pedestrian countdown signals are recommended at the SW 77th Avenue signal.

3.3 Howard Drive Elementary

Howard Drive is located south of SW 136th Street within the Village of Palmetto Bay. However, The School boundaries extend into the Village of Pinecrest. This study addresses Safe Routes to School pertaining to Howard Drive Elementary within the Village of Pinecrest only. Further studies are required to address Safe Routes to School within the Village of Palmetto Bay. Exhibit 12 shows routes to school serving Howard Drive Elementary within the Village of Pinecrest. A description of existing conditions and recommendations is found below.

3.3.1 School Routes

SW 72nd Avenue between SW 132nd Street and SW 136th Street. The roadway is a two lane Village collector. The speed limit is 30 mph. Existing traffic control devices include a stop sign



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EXHIBIT

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at SW 136th Street. Sidewalks are available on both sides of the street. Painted crosswalks are existing at SW 136th Street. Crosswalks are not available at minor intersections. Street lighting is not available along this road.

SW 74th Avenue between SW 132nd Street and SW 136th Street. The roadway is a two lane local road. The speed limit is 30 mph. Existing traffic control devices include a stop sign at SW 136th Street. There are sidewalks on the east side of the road along this segment. Crosswalks are available at SW 136th Street, but not at minor streets. Street lighting is not available along this road.

SW 77th Avenue (Palmetto Road) between SW 128th Street and SW 136th Street. The roadway is a two lane Village collector which abuts Howard Drive Elementary and is adjacent to the parking areas of the school, which are often used for drop-off/pick-up. The speed limit is 30 mph. Existing traffic control devices include a signal at SW 128th Street and SW 136th Street. Sidewalks are available on both sides. Crosswalks are available at SW 136th Street, but not at minor streets. Street lighting is not available along this road.

SW 79th Avenue between SW 132nd Street and SW 136th Street. The roadway is a two-lane local road. The speed limit is 30 mph. Existing traffic control devices include two-way stop signs at SW 132nd Street and SW 136th Street. There are no existing sidewalks or crosswalks along this road. Street lighting is not available along this road.

SW 82nd Avenue between SW 128th Street and SW 136th Street. The roadway is a two-lane Village collector. The speed limit is 30 mph. Existing traffic control devices include a signal at SW 136th Street, and an all-way stop sign at SW 128th Street. Sidewalks are existing on the west side of the road. Crosswalks are available at major intersections (SW 128th Street and SW 136th Street), but not at minor streets are not available. Street lighting is not available along this road.

SW 128th Street between US 1 and SW 77th Avenue. See description under Section 3.2.1 Palmetto Elementary Routes to School.

SW 132nd Street between US 1 and SW 77th Avenue. This segment is a two-lane Village collector. The posted speed limit is 30 mph. Existing traffic control devices include stop signs at US 1 and SW 72nd Avenue, all-way stops at SW 82nd Avenue and SW 74th Avenue, and a signal at SW 77th Avenue. There are no existing sidewalks along the road. Crosswalks are available at SW 82nd Avenue and SW 77th Avenue, but not at minor streets. Street lighting is not available along this road.

SW 136th Street between US 1 and Old Cutler Road. This roadway is a two-lane County minor arterial with frontage on the front of and access to Howard Drive Elementary. The speed limit is 35 mph. A school zone is established between east of SW 77th Avenue and west of SW 78th Court. A crossing guard is provided during the drop-off and pick-up times of the school. Drop-off occurs along a third eastbound lane adjacent to the school. Existing traffic control devices include signals at US 1, SW 82nd Avenue, SW 77th Avenue. Sidewalks are continuous along the north side of the road. Crosswalks are available at major intersections (US 1, SW 82nd Avenue, SW 77th Avenue and SW 72nd Avenue), and at minor intersections east of SW 82nd Avenue. Crosswalks at minor streets are not available west of SW 82nd Avenue. Street lighting is available along this road.

3.3.2 User Surveys

A total of 700 surveys were distributed to the school. Approximately 37 responses were obtained from residents of the Village of Pinecrest. The results show that approximately 95% of the children live within 2 miles from school (see Exhibit 13), and 64% of the children arrive /leave school by private vehicle (see Exhibit 14). The main factors that would promote walking and/or biking to school (graphically portrayed in Exhibit 15) include enforcement of speed limits, availability of sidewalks and/or bike paths (separate from traffic) along routes to school and greater police prescreens. Suggestions to facilitate the goal included the following:

- Create walking/biking groups or buddy system;
- Clean-up hedges and repair sidewalks along SW 136th Street and SW 77th Avenue;
- Provide a crossing guard at SW 136 Street & SW 74th Avenue;
- Prohibit right turns on red during school hours at nearby intersections;

EXHIBIT 13
Village of Pinecrest Safe Routes to School Study
Howard Drive Elementary School

Grades	PK	K	1	2	3	4	5
%	11.3%	13.2%	11.3%	22.6%	7.5%	18.9%	15.1%

Distance Traveled (all modes) in miles			
< 0.5 mi	0.5 - 1.0 mi	1.0 - 2.0 mi	> 2.0 mi
52.6%	21.1%	21.1%	5.3%

**Distance Traveled to School
(all modes)**

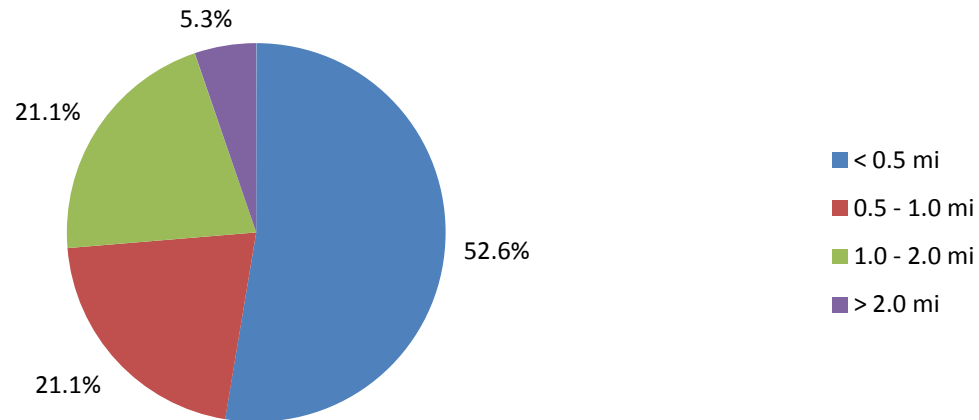


EXHIBIT 14
Survey Summary
Howard Drive Elementary School

Travel Mode						
<i>Walk</i>	<i>Bike</i>	<i>car</i>	<i>sch bus</i>	<i>priv bus</i>	<i>pub bus</i>	<i>other</i>
24.0%	6.0%	64.0%	0.0%	0.0%	0.0%	6.0%

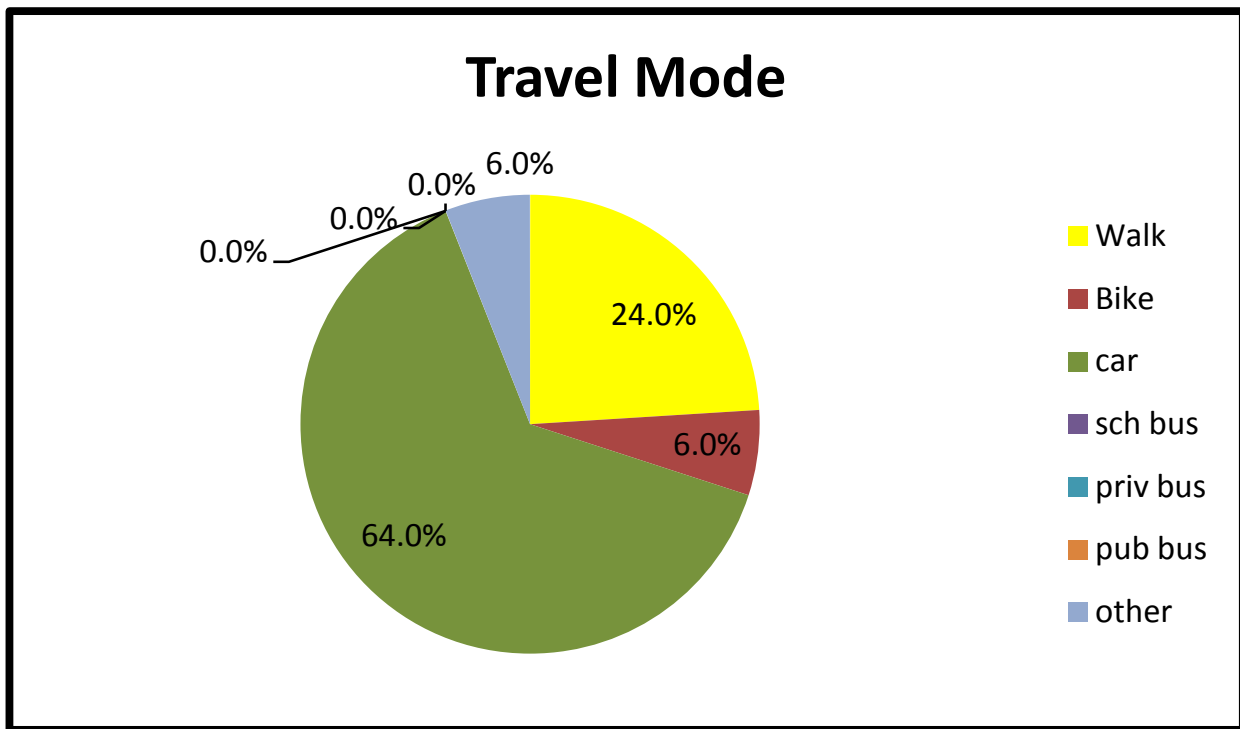
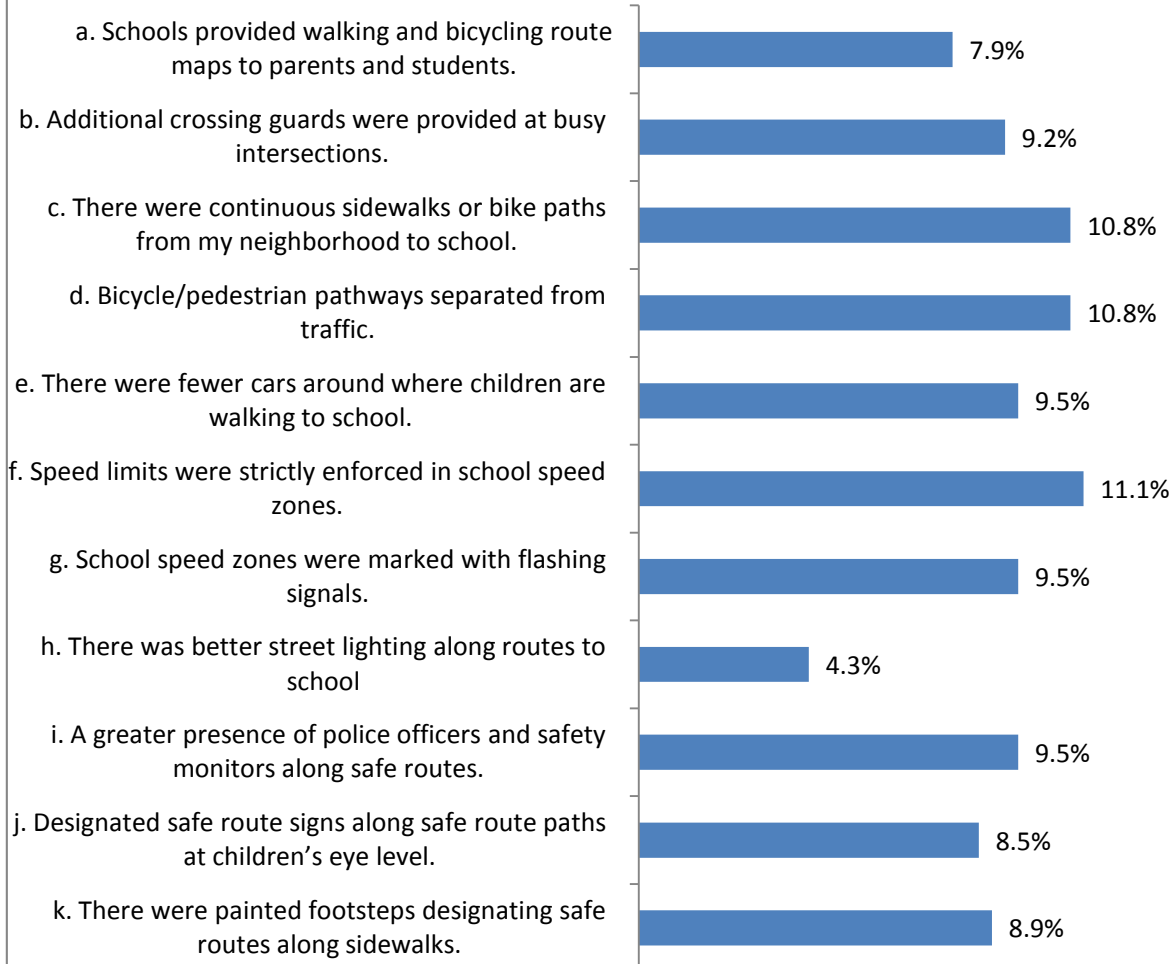
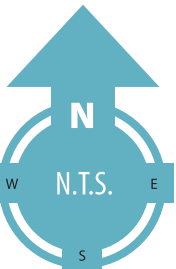


EXHIBIT 15
Survey Summary
Howard Drive Elementary School

Factors that would promote walking biking	
a. Schools provided walking and bicycling route maps to parents and students.	7.9%
b. Additional crossing guards were provided at busy intersections.	9.2%
c. There were continuous sidewalks or bike paths from my neighborhood to school.	10.8%
d. Bicycle/pedestrian pathways separated from traffic.	10.8%
e. There were fewer cars around where children are walking to school.	9.5%
f. Speed limits were strictly enforced in school speed zones.	11.1%
g. School speed zones were marked with flashing signals.	9.5%
h. There was better street lighting along routes to school	4.3%
i. A greater presence of police officers and safety monitors along safe routes.	9.5%
j. Designated safe route signs along safe route paths at children's eye level.	8.5%
k. There were painted footsteps designating safe routes along sidewalks.	8.9%

Factors that would promote walking biking





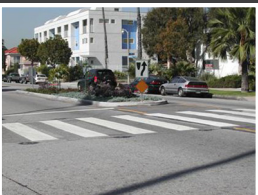
LEGEND



School Zone Radar Speed Sign



Construct Sidewalks



High Emphasis Crosswalk Markings



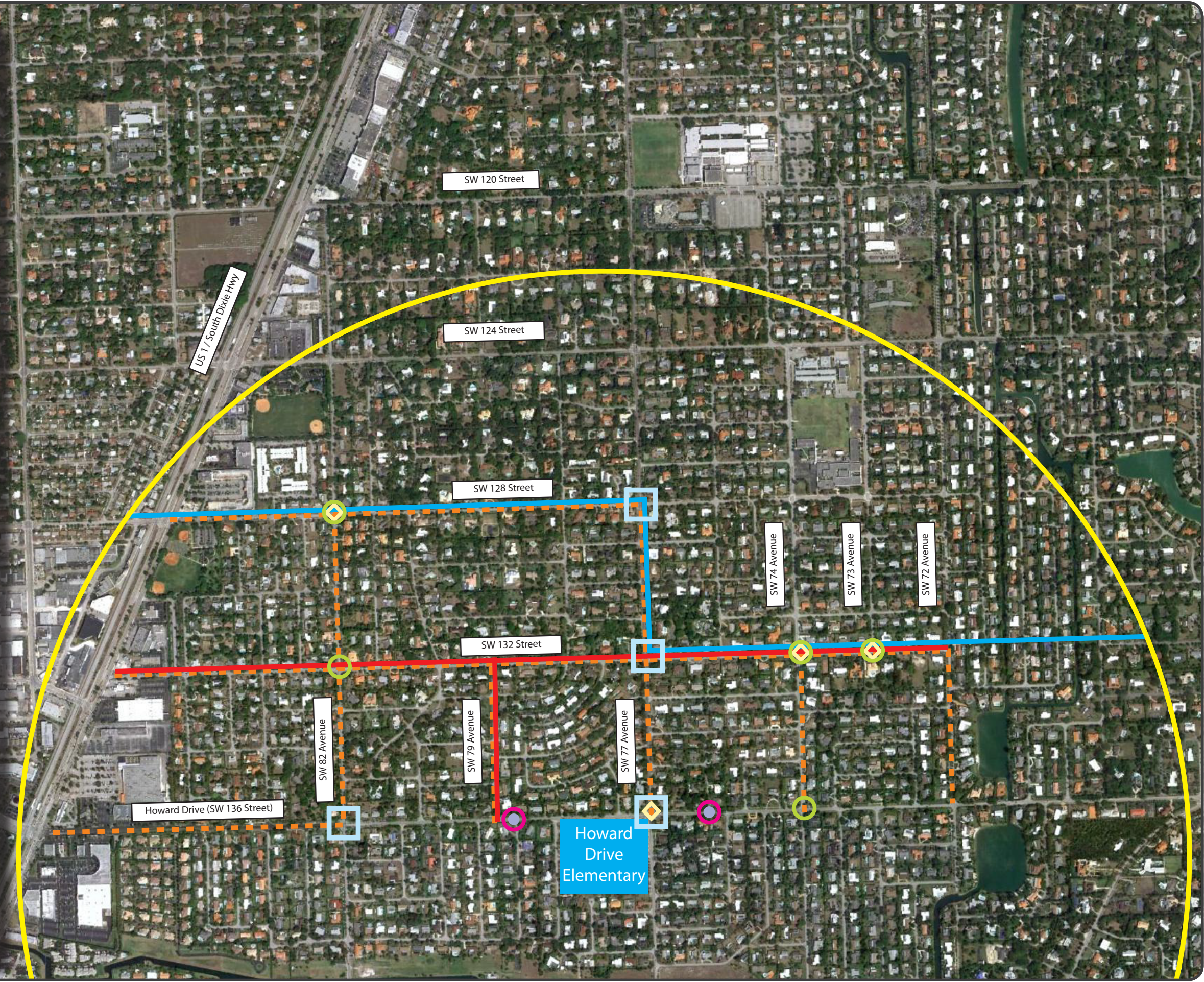
Solar Powered Flashers



Provide Crosswalks



Pedestrian Countdown Signal



- Increase police presence Create safe bike paths; and,
- Create walking/biking groups or buddy system.

Appendix B-3 provides detailed information obtained from the surveys for Howard Drive Elementary.

3.3.3 Howard Drive Elementary Recommendations

Recommendations to the Howard Drive Elementary Routes to School are described below and graphically portrayed in Exhibit 16.

SW 72nd Avenue between SW 132nd Street and SW 136th Street. Crosswalks are recommended at minor intersections.

SW 74th Avenue between SW 132nd Street and SW 136th Street. Crosswalks are recommended at minor streets. High emphasis crosswalks and pedestrian activated solar operated flashers are recommended at the intersection with SW 132nd Street. Pedestrian activated solar operated flashers are recommended at the intersection with SW 136th Street.

SW 77th Avenue (Palmetto Road) between SW 128th Street and SW 136th Street. Crosswalks are recommended at minor streets. High emphasis crosswalks and pedestrian countdown signals are recommended at the SW 136th Street signalized intersection. Pedestrian activated countdown signals are recommended at SW 128th Street and SW 132nd Street.

SW 79th Avenue between SW 132nd Street and SW 136th Street. Sidewalks and crosswalks are recommended on the east side of the road along this route.

SW 82nd Avenue between SW 128th Street and SW 136th Street. Crosswalks are recommended at minor streets. High emphasis crosswalks and pedestrian countdown signals are recommended at the SW 128th Street intersection. Pedestrian activated solar powered flashers are recommended at the SW 132nd Street intersection. Pedestrian countdown signals are also recommended at the signalized intersection with SW 136th Street.

SW 128th Street between US 1 and SW 77th Avenue. See recommendations under Section 3.2.3 Palmetto Elementary Recommendations.

SW 132nd Street between US 1 and SW 77th Avenue. Sidewalks and crosswalks are recommended along the south side of this route. Pedestrian activated solar powered flashers are recommended at the SW 82nd Avenue intersection. Pedestrian countdown signals are also recommended at the SW 77th Avenue signalized intersection. High emphasis crosswalks and solar powered pedestrian activated flashers are recommended at the SW 74th Avenue and SW 73rd Avenue intersections.

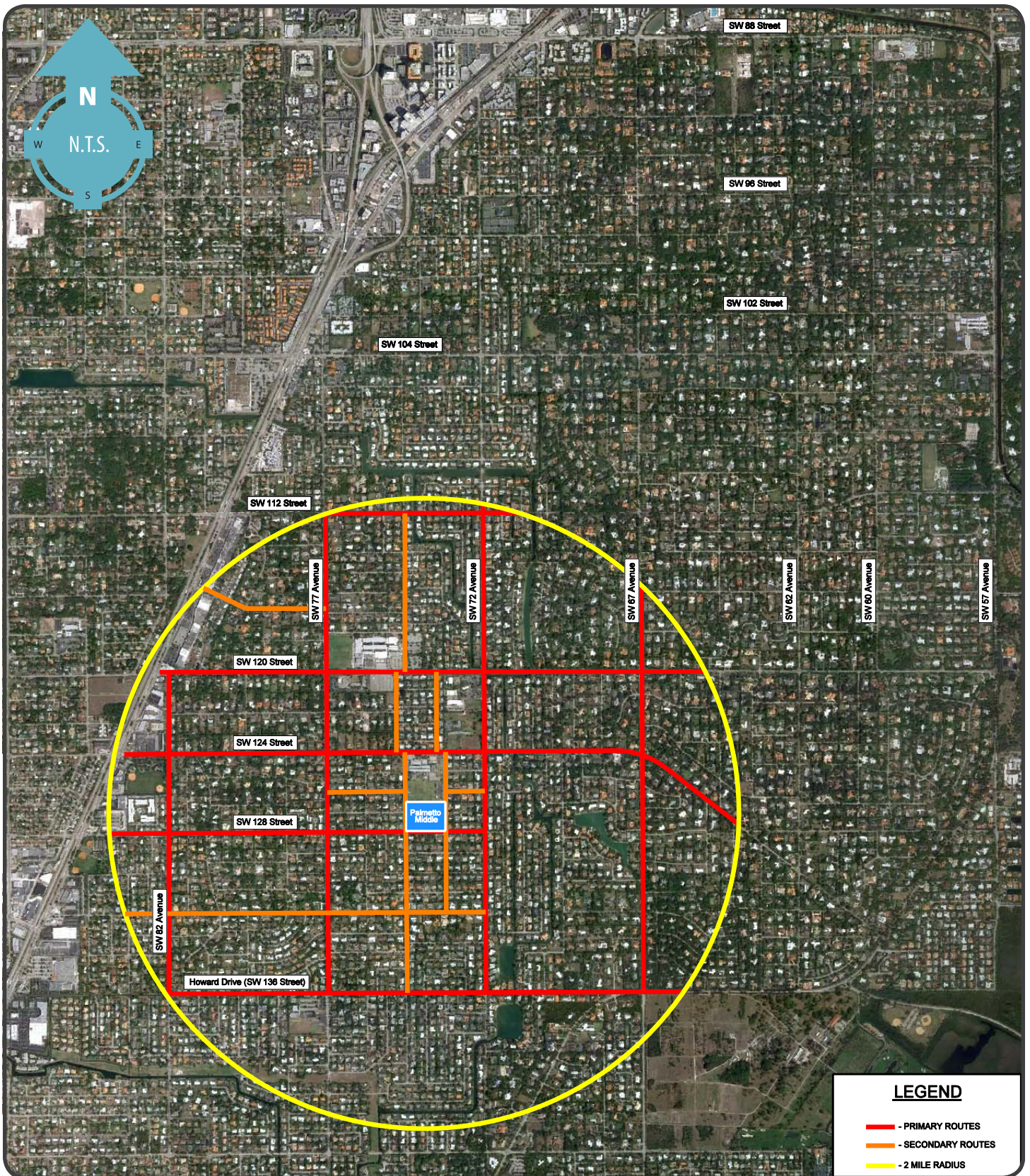
SW 136th Street between US 1 and Old Cutler Road. School zone radar speed limit signs are recommended at the beginning of the school zone: west of SW 77th Avenue for the westbound traffic, and east of SW 79th Avenue for the eastbound traffic. Crosswalks at minor intersections are recommended west of SW 82nd Avenue. Pedestrian countdown signals are also recommended at the signalized intersections along the route: SW 82nd Avenue and SW 77th Avenue. High emphasis crosswalks are recommended at the intersection with SW 77th Avenue. Pedestrian activated solar powered pedestrian activated crosswalks are recommended at the intersection with SW 74th Avenue.

3.4 Palmetto Middle School

Exhibit 17 shows routes to school serving Palmetto Elementary. A description of existing conditions and recommendations is found below.

3.4.1 School Routes

SW 67th Avenue between SW 116th Street and SW 136th Street. The segment between SW 116th Street and SW 133rd Street has been described in Section 3.2 Palmetto Elementary. Between SW 133rd Street and SW 136th Street the road is a 2 lane Village Collector. The posted speed limit is 35 mph. Existing traffic control devices include a signal at SW 136th Street. Sidewalks are



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available on the west side of the road. Crosswalks are available major signalized intersections and at minor cross streets. Street lighting is available along this road.

SW 72nd Avenue between SW 112th Street and SW 136th Street. The segment between SW 116th Street and SW 133rd Street has been described in Section 3.2 Palmetto Elementary. Between SW 133rd Street and SW 136th Street the road is a 2 lane Village Collector. The posted speed limit is 30 mph. Existing traffic control devices include stop sign at SW 136th Street. Sidewalks are available on both sides of the street. Painted crosswalks are existing at SW 136th Street, but not at other minor cross streets. Street lighting is not available along this road.

SW 73rd Avenue between SW 120th Street and SW 128th Street. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 74rd Avenue/Court between SW 112th Street and SW 130th Street. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 77th Avenue between SW 112th Street and SW 136th Street. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 82nd Avenue between SW 120th Street and SW 136th Street. This segment has been described in Section 3 Section 3.2.1 Palmetto Elementary Routes to School and Section 3.3.1 Howard Drive Elementary Routes to School.

SW 112th Street between SW 77th Avenue and SW 70th Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 117th Street between US 1 and SW 77th Avenue. The roadway is a 2 lane local road. The speed limit is 30 mph. Existing sidewalks are available on the south side of the road. Existing traffic control devices include stop signs at US 1 and SW 77th Avenue and an all-way stop at SW 80th Road. Crosswalks are not available along this route. Street lighting is not available along this road.

SW 120th Street between US 1 and SW 62nd Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 124th Street between US 1 and SW 64th Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 126th Street between SW 77th Avenue and SW 72nd Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 128th Street between SW 83rd Court and SW 71st Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 132nd Street between SW 77th Avenue and SW 72nd Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

3.4.2 User Surveys

A total of 1,220 surveys were distributed to the school. Approximately 117 responses were obtained. The results show that approximately 70% of the children live within 2 miles from school (see Exhibit 18), and 68% of the children arrive /leave school by vehicle (see Exhibit 19). The main factors that would promote walking and/or biking to school (graphically portrayed in Exhibit 20) include availability of sidewalks and/or bike paths along routes to school, greater police presence, and enforcement of speed limits. Suggestions to facilitate the goal included the following:

- Provide a safe place to park bikes at the school;
- Designate safe and signed routes to school;
- Provide safe walking/biking bike training classes;
- Establish walkers/bikers groups, schedules and meeting points;
- Monitor the school's side gate; and
- Improve the intersection of SW 132nd Street and SW 82nd Avenue for pedestrian use.

EXHIBIT 18
Survey Summary
Palmetto Middle School

<i>Grades</i>	<i>6</i>	<i>7</i>	<i>8</i>
%	39.7%	40.5%	19.8%

Distance Traveled (all modes) in miles			
<i>> 0.5 miles</i>	<i>0.5- 1 mile</i>	<i>1 - 2 miles</i>	<i>2+ miles</i>
13.4%	18.5%	38.7%	29.4%

**Distance Traveled to School
(all modes)**



EXHIBIT 19
Survey Summary
Palmetto Middle School

Travel Mode						
<i>Walk</i>	<i>Bike</i>	<i>car</i>	<i>sch bus</i>	<i>priv bus</i>	<i>pub bus</i>	<i>other</i>
7.0%	2.8%	67.6%	16.2%	2.8%	2.1%	1.4%

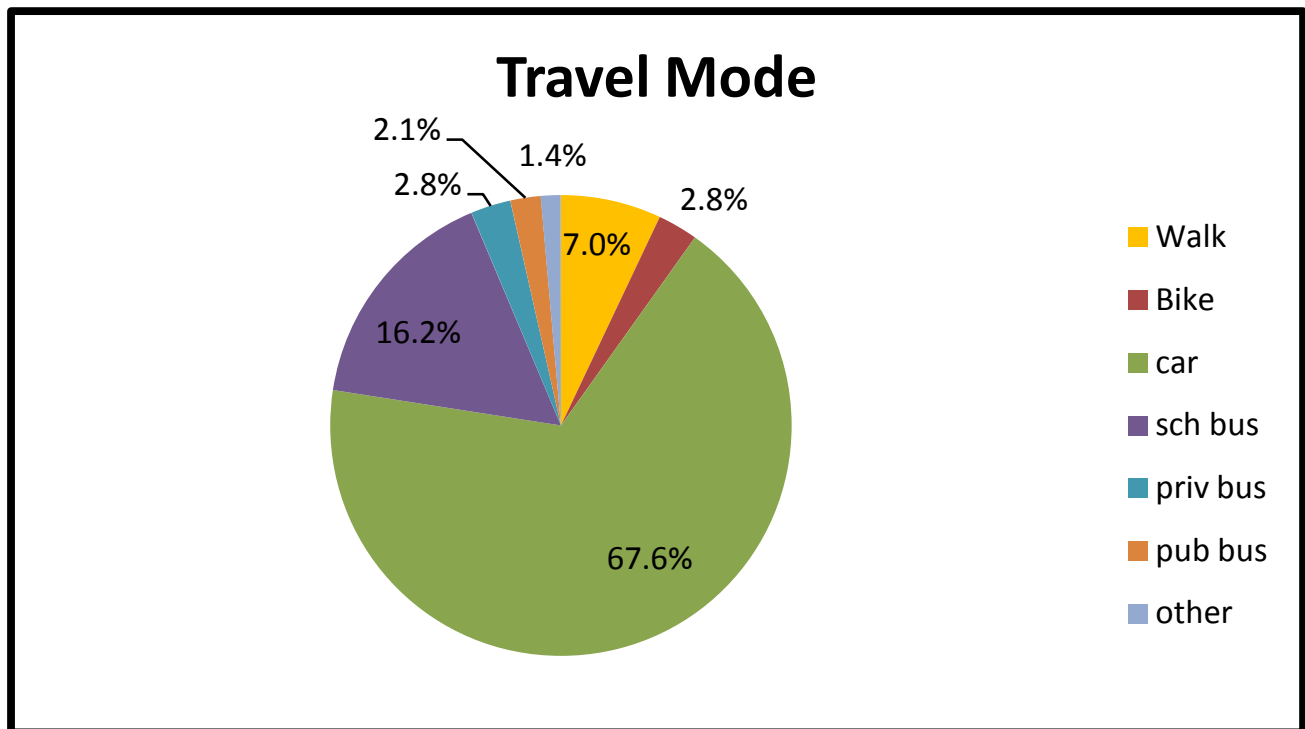


EXHIBIT 20
Survey Summary
Palmetto Middle School

Factors that would promote walking biking	
a. Schools provided walking and bicycling route maps to parents and students.	7.0%
b. Additional crossing guards were provided at busy intersections.	10.4%
c. There were continuous sidewalks or bike paths from my neighborhood to school.	10.4%
d. Bicycle/pedestrian pathways separated from traffic.	11.4%
e. There were fewer cars around where children are walking to school.	8.4%
f. Speed limits were strictly enforced in school speed zones.	10.5%
g. School speed zones were marked with flashing signals.	9.1%
h. There was better street lighting along routes to school	7.0%
i. A greater presence of police officers and safety monitors along safe routes.	10.7%
j. Designated safe route signs along safe route paths at children's eye level.	8.4%
k. There were painted footsteps designating safe routes along sidewalks.	6.8%



Appendix A-4 provides detailed information obtained from the surveys for Palmetto Middle School.

3.4.3 Palmetto Middle Recommendations

Recommendations to the Palmetto Middle School Routes to School are described below and graphically portrayed in Exhibit 21.

SW 67th Avenue between SW 116th Street and SW 136th Street. Crosswalks are recommended at minor cross streets. Pedestrian countdown signals are also recommended at the signalized intersections along the route: SW 120th Street, SW 124th Street and SW 136th Street.

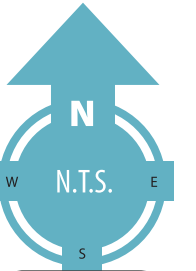
SW 72nd Avenue between SW 112th Street and SW 136th Street. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 73rd Avenue between SW 120th Street and SW 128th Street. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 74rd Avenue/Court between SW 112th Street and SW 130th Street. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 77th Avenue between SW 112th Street and SW 136th Street. Recommendations for the segment between SW 112th Street and SW 128th Street are described in Section 3.2.3 Palmetto Elementary Recommendations. Recommendations for the segment between SW 128th Street and SW 136th Street are described in Section 3.3.3 Howard Drive Elementary Recommendations. In addition, school zone radar speed limit signs are recommended at the beginning of the school zone: south of SW 120th Street for northbound traffic and north of SW 117th Street for southbound traffic.

SW 82nd Avenue between SW 120th Street and SW 136th Street. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations and Section 3.3.3



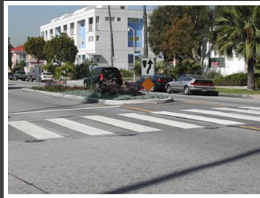
LEGEND



School Zone Radar Speed Sign



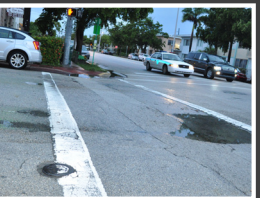
Construct Sidewalks



High Emphasis Crosswalk Markings



Solar Powered Flashers



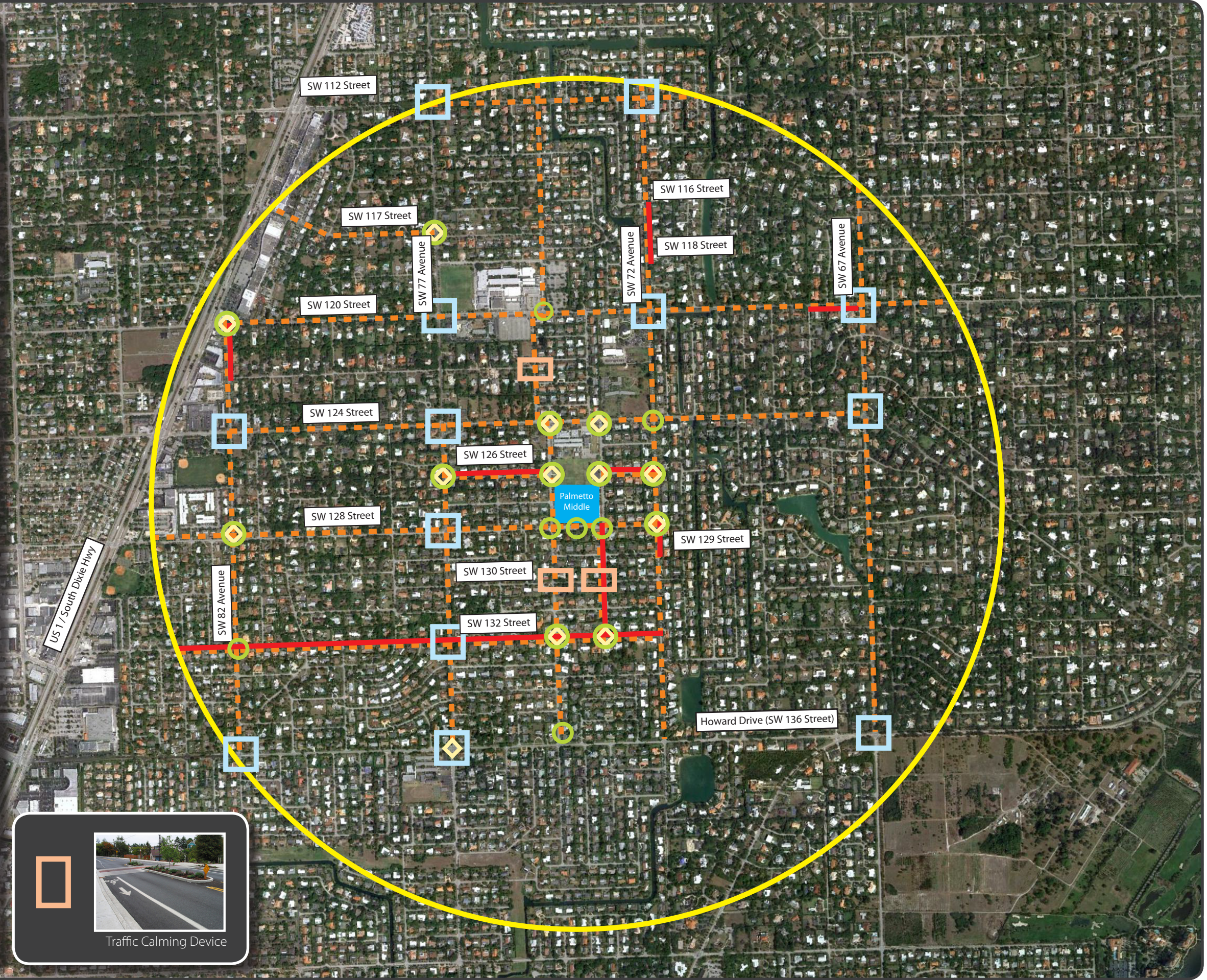
Provide Crosswalks



Pedestrian Countdown Signal



Traffic Calming Device



Howard Drive Elementary Recommendations.

SW 112th Street between SW 77th Avenue and SW 70th Avenue. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 117th Street between US 1 and SW 77th Avenue. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 120th Street between US 1 and SW 62nd Avenue. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 124th Street between US 1 and SW 64th Avenue. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

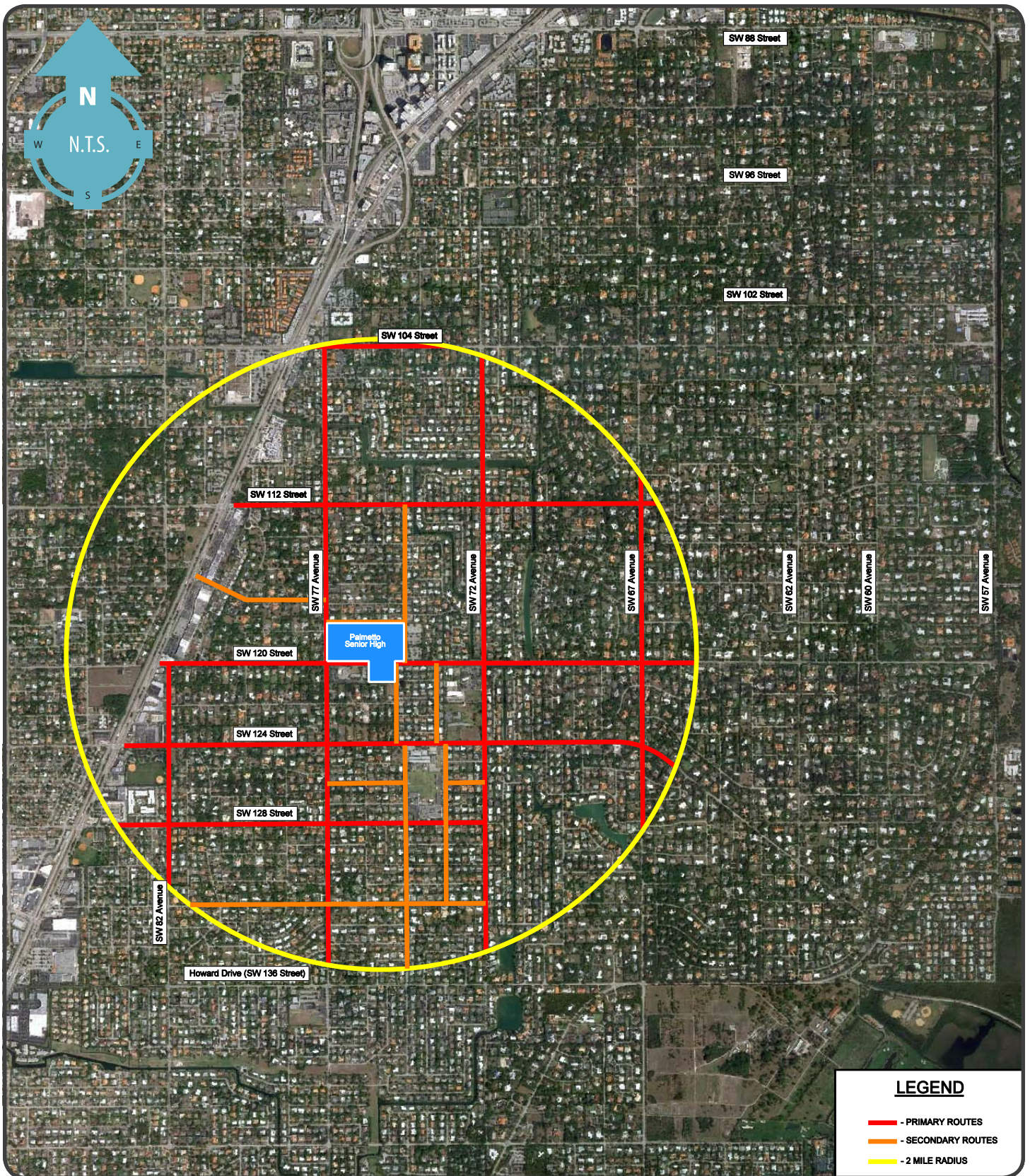
SW 126th Street between SW 77th Avenue and SW 72nd Avenue. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 128th Street between SW 83rd Court and SW 71st Avenue. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 132nd Street between SW 77th Avenue and SW 72nd Avenue. Recommendations for this segment are described in Section 3.2.3 Palmetto Elementary Recommendations and Section 3.3.3 Howard Drive Elementary Recommendations.

3.5 Miami Palmetto Senior High School

Exhibit 22 shows routes to school serving Miami Palmetto Senior High School. A description of existing conditions and recommendations is found below.



PROJECT TITLE: Village of Pinecrest Safe Routes to Schools

EXHIBIT TITLE: Palmetto Senior High

EXHIBIT

22

3.5.1 School Routes

SW 67th Avenue between SW 112th Street and SW 128th Street. The segment between SW 116th Street and SW 128th Street has been described in Section 3.4 Palmetto Middle School. Between SW 112th Street and SW 116th Street the road is a two-lane Village collector. Sidewalks are available on the west side of the road. A signal with marked crosswalks is available at SW 112th Street. Crosswalks are not available at minor streets. Street lighting is available.

SW 72nd Avenue between SW 104th Avenue and SW 133th Street. The segment between SW 112th Street and SW 133rd Street has been described in Section 3.2.1 Palmetto Elementary Routes to School. Between SW 104th Street and SW 112th Street the road is a 2 lane Village Collector. The posted speed limit is 30 mph. Existing traffic control devices include signals at SW 104th Street and SW 112th Street with painted crosswalks. Continuous sidewalks are available on the west side of the street, and on the east side between SW 109th Terrace and SW 112th Street. Crosswalks are not available at other minor cross streets. Street lighting is not available along this road.

SW 73rd Avenue between SW 120th Street and SW 128th Street. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 74rd Avenue/Court between SW 112th Street and SW 130th Street. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 77th Avenue between SW 104th Street and SW 136th Street. The segment between SW 110th Street and SW 128th Street has been described in Section 3.2.1 Palmetto Elementary Routes to School. The roadway is a 2 lane Village collector. Existing traffic control devices include signals with marked crosswalks at SW 104th Street, SW 110th Street, SW 120th Street, SW 124th Street and SW 132nd Street and SW 136th Street. Sidewalks are available on the west side of the road between SW 104th Street and SW 110th Street and on both sides of the road between SW 110th Street and SW 136th Street. Crosswalks are not available at minor crossings. Street lighting is not available.

SW 82nd Avenue between SW 120th Street and SW 136th Street. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School and Section 3.3.1 Howard Drive Elementary Routes to School.

SW 104th Street between SW 77th Avenue and SW 72nd Avenue. This segment is a 2-lane Village minor arterial. The posted speed limit is 35 mph. Signals with crosswalks are located at SW 77th Avenue and SW 72nd Avenue. Sidewalks are available on the south side of the road. Crosswalks are not available at minor intersections. Street lighting is available.

SW 112th Street between US 1 Avenue and SW 67th Avenue. The segment between SW 77th Avenue and SW 70th Avenue has been described in Section 3.2.1 Palmetto Elementary Routes to School. The road is a 2-lane Village collector. Signals with crosswalks are available at the intersection with US 1 in the west portion of the segment, and at SW 67th Avenue on the east. Sidewalks are available on the south side of the road. Crosswalks are not available at minor streets. Street lighting is not available.

SW 117th Street between US 1 and SW 77th Avenue. The roadway has been described in Section 3.4.1 Palmetto Middle School Routes to School.

SW 120th Street between US 1 and SW 64th Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 124th Street between US 1 and SW 64th Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 126th Street between SW 77th Avenue and SW 72nd Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 128th Street between SW 83rd Court and SW 71st Avenue. This segment has been described in Section 3.2.1 Palmetto Elementary Routes to School.

SW 132nd Street between SW 82nd Avenue and SW 72nd Avenue. The segment east of SW 77th Avenue has been described in Section 3.2.1 Palmetto Elementary Routes to School. The road is a 2-lane Village collector. Between SW 82nd Avenue and SW 77th Avenue, there is an all way stop at SW 82nd Avenue and a signal at SW 77th Avenue. There are no existing sidewalks or crosswalks at minor streets. There is no street lighting.

3.5.2 User Surveys

A total of 3,000 surveys were distributed to the school. Approximately 373 responses were obtained. The results show that approximately 48% of the children live within 2 miles from school (see Exhibit 23), and 64% of the children arrive /leave school by private vehicle (see Exhibit 24). The main factors that would promote walking and/or biking to school (graphically portrayed in Exhibit 25) include availability of sidewalks and/or bike paths along routes to school, and enforcement of speed limits. Suggestions to facilitate the goal included the following:

- Provide a safe place to park bikes at the school;
- Start school later for better light conditions on the walk to school;
- Establish walkers/bikers groups, schedules and meeting points;
- Enforce speed limits;
- Increase police presence;
- Improve sidewalks along SW 112th Street;
- Improve crossing at the intersection of SW 124th Street/SW 73rd Avenue and SW 120th Street/SW 77th Avenue; and,
- Implement a neighborhood shuttle.

Appendix B-5 provides detailed information obtained from the surveys for Palmetto Middle School.

3.5.3 Miami Palmetto Senior High Recommendations

Recommendations to the Miami Palmetto Senior High Routes to School are described below and graphically portrayed in Exhibit 26. However, as a general recommendation, given suggestions

EXHIBIT 23
Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

Grades	9	10	11	12
%	23.1%	23.1%	28.9%	24.9%

Distance Traveled (all modes) in miles			
< 0.5 mi	0.5 - 1.0 mi	1.0 - 2.0 mi	> 2.0 mi
8.7%	11.2%	27.6%	52.5%

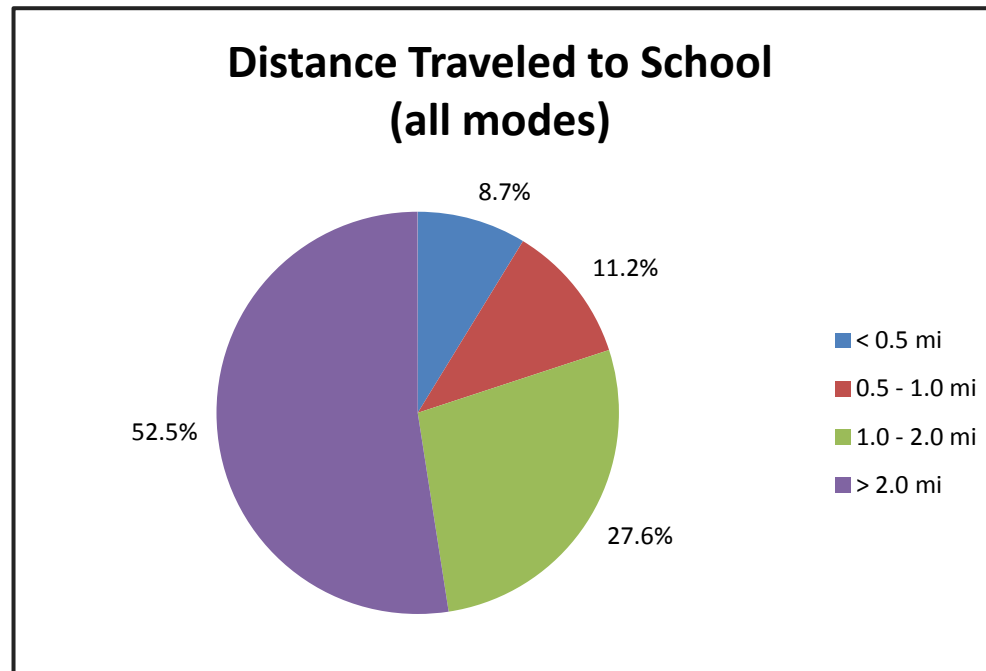


EXHIBIT 24
Survey Summary
Miami Palmetto Senior High

Travel Mode						
<i>Walk</i>	<i>Bike</i>	<i>car</i>	<i>sch bus</i>	<i>priv bus</i>	<i>pub bus</i>	<i>other</i>
7.1%	0.9%	64.1%	21.6%	1.5%	3.5%	1.3%

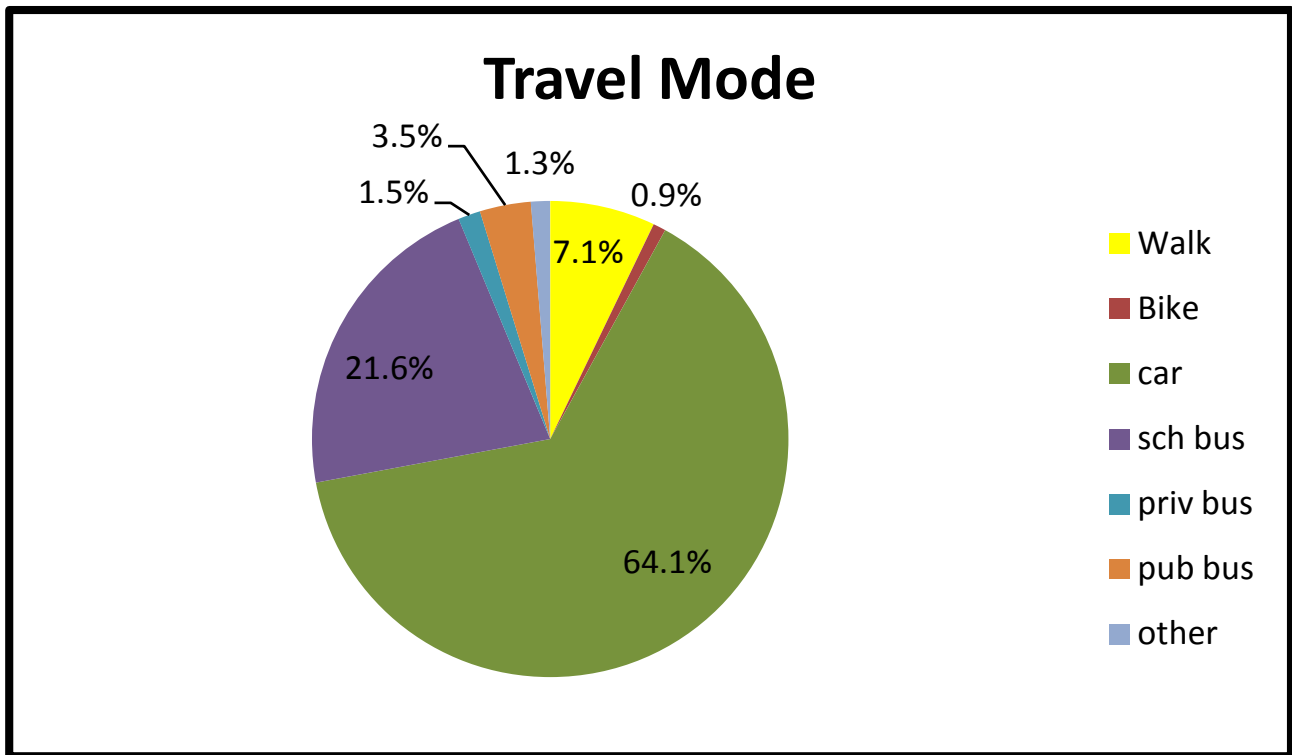
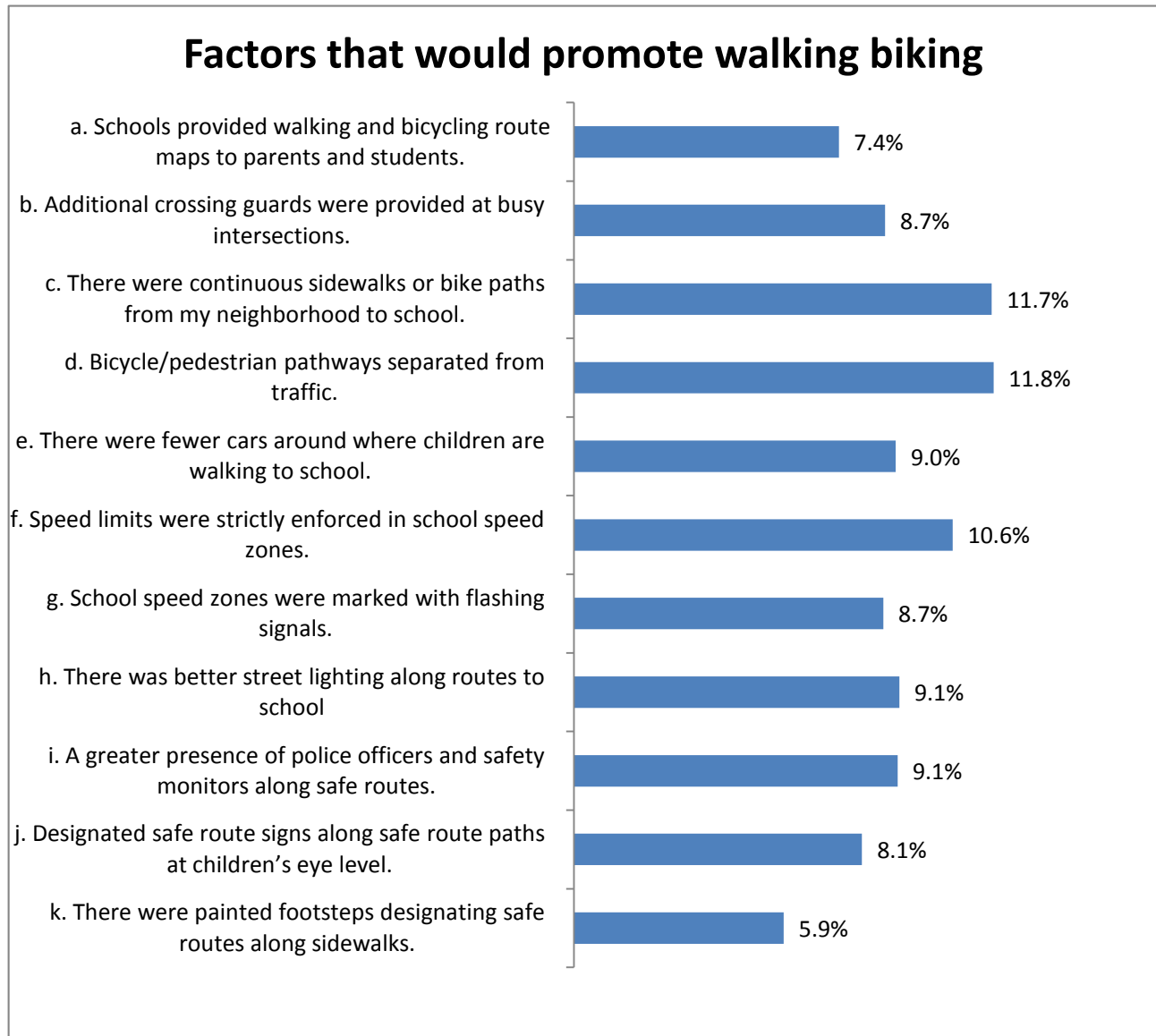
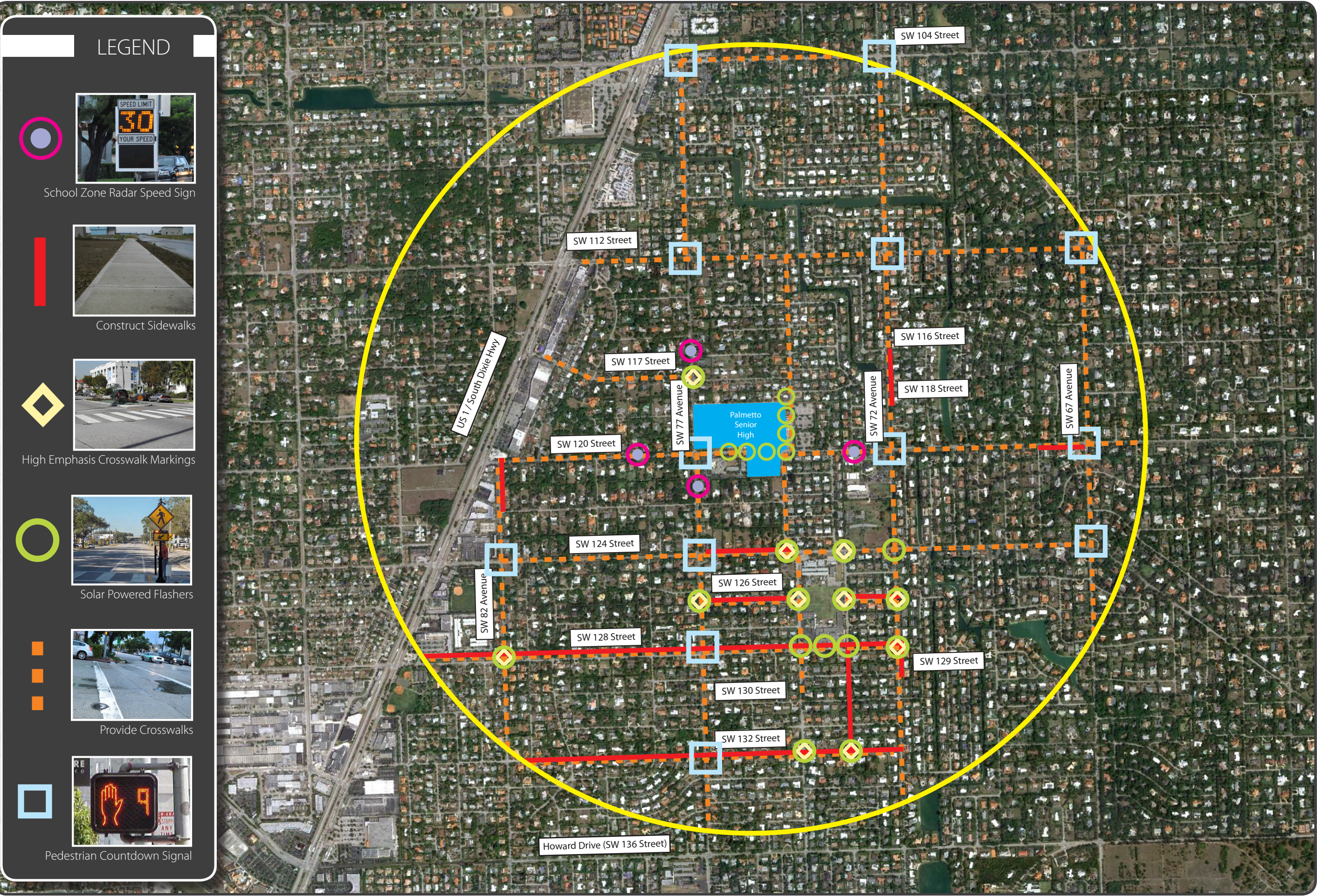
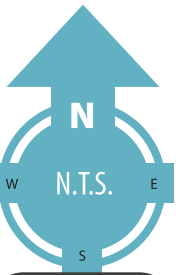


EXHIBIT 25
Survey Summary
Miami Palmetto Senior High

Factors that would promote walking biking	
a. Schools provided walking and bicycling route maps to parents and students.	7.4%
b. Additional crossing guards were provided at busy intersections.	8.7%
c. There were continuous sidewalks or bike paths from my neighborhood to school.	11.7%
d. Bicycle/pedestrian pathways separated from traffic.	11.8%
e. There were fewer cars around where children are walking to school.	9.0%
f. Speed limits were strictly enforced in school speed zones.	10.6%
g. School speed zones were marked with flashing signals.	8.7%
h. There was better street lighting along routes to school	9.1%
i. A greater presence of police officers and safety monitors along safe routes.	9.1%
j. Designated safe route signs along safe route paths at children's eye level.	8.1%
k. There were painted footsteps designating safe routes along sidewalks.	5.9%





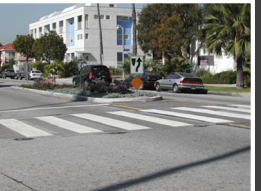
LEGEND



School Zone Radar Speed Sign



Construct Sidewalks



High Emphasis Crosswalk Markings



Solar Powered Flashers



Provide Crosswalks



Pedestrian Countdown Signal

obtained from the user surveys, lighting should be improved around the school given the early beginning of the school day.

SW 67th Avenue between SW 112th Street and SW 128th Street. Recommendations to the segment between SW 116th Street and SW 128th Street are described in Section 3.2.3 Palmetto Elementary Recommendations. Crosswalks at minor streets are recommended north of SW 116th Street. Pedestrian countdown signals are recommended at the the intersections with SW 104th Street and SW 112th Street.

SW 72nd Avenue between SW 104th Avenue and SW 133th Street. The segment between SW 112th Street and SW 133rd Street has been described Section 3.2.3 Palmetto Elementary Recommendations. North of SW 112th Street, crosswalks are recommended at minor streets. Pedestrian countdown signals are recommended at the SW 104th Street intersection.

SW 73rd Avenue between SW 120th Street and SW 128th Street. Recommendations to this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 74rd Avenue/Court between SW 112th Street and SW 136th Street. Recommendations to this segment are described in Section 3.2.3 Palmetto Elementary Recommendations and Section 3.3.3 Howard Drive Elementary Recommendations. In addition, pedestrian activated solar powered flashers are recommended at the following intersections abutting the school: SW 118th Street, SW 120th Street and the two existing mid-block crosswalks in front of the school.

SW 77th Avenue between SW 104th Street and SW 136th Street. Recommendations to the segment between SW 110th Street and SW 128th Street are described in Section 3.2.3 Palmetto Elementary Recommendations. Crosswalks at minor streets are recommended between SW 104th Street and SW 112th Street. Pedestrian countdown signals are recommended at SW 104th Street.

SW 82nd Avenue between SW 120th Street and SW 136th Street. Recommendations to this segment are described in Section 3.2.3 Palmetto Elementary Recommendations and Section 3.3.3 Howard Drive Elementary Recommendations.

SW 104th Street between SW 77th Avenue and SW 72nd Avenue. Crosswalks are recommended at minor intersections. Pedestrian countdown signals are recommended at SW 77th Avenue.

SW 112th Street between US 1 Avenue and SW 67th Avenue. The segment between SW 77th Avenue and SW 70th Avenue are described in Section 3.2.3 Palmetto Elementary Recommendations. Additional pedestrian countdown signals are recommended at the SW 67th Avenue signalized intersections.

SW 117th Street between US 1 and SW 77th Avenue. Recommendations to this segment are described in Section 3.2.3 Palmetto Middle Recommendations.

SW 120th Street between US 1 and SW 64th Avenue. Recommendations to this segment are described in Section 3.2.3 Palmetto Elementary Recommendations. In addition, school zone radar speed limit signs are recommended at the beginning of the school zone: east of SW 74th Avenue for westbound traffic and west of SW 77th Avenue for eastbound traffic. Pedestrian activated solar powered crosswalks are also recommended at the 3 existing high emphasis mid-block crosswalks in front of the school.

SW 124th Street between US 1 and SW 64th Avenue. Recommendations to this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 126th Street between SW 77th Avenue and SW 72nd Avenue. Recommendations to this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 128th Street between SW 83rd Court and SW 71st Avenue. Recommendations to this segment are described in Section 3.2.3 Palmetto Elementary Recommendations.

SW 132nd Street between SW 82nd Avenue and SW 72nd Avenue. Recommendations to the are described in Section 3.2.3 Palmetto Elementary Recommendations and Section 3.3.3 Howard Drive Elementary.

Other Studies

In order to gain knowledge on the most current information on pedestrian and bicycle safety as well as available countermeasures that could be implemented as part of the recommendations, a detailed background research was conducted. The following studies and publications were consulted and used as resources:

- FHWA's "PEDSAFE" manual
- Pedestrian and Bicycle Information Center website (www.walkinginfo.org)
- Safe Routes to School Program
- FHWA's Bicycle and Pedestrian Program
- Resource Center Safety and Highway Design Team
- FHWA Safety Research and Development
- National Highway Traffic Safety Administration (NHTSA)
- National Transportation Safety Board (NTSB)
- National Highway Institute
- AASHTO Strategic Highway Safety Plan

APPENDIX A

SURVEY FORMS

Village of Pinecrest Safe Routes to School Study

Pinecrest Elementary School

In an effort to improve student safety in and around our schools, the Village of Pinecrest in coordination with the Miami-Dade County Metropolitan Planning Organization, in collaboration with Miami-Dade County Public Schools and other governmental agencies, is looking for ways to reduce the amount and speed of cars, improve walking and bicycling conditions and encourage enforcement and safety education programs. Please help us by providing your opinions to the following questions.

1. What grade is your child/ren in? _____

2. Approximately how far does your child travel to school?

_____ ½ mile or less _____ ½ mile to 1 mile _____ between 1 to 2 miles _____ over 2 miles

3. How does your child usually travel to and from school: (put a check in the appropriate box)

	Arrival	Dismissal		Arrival	Dismissal
a. walk	_____	_____	e. private bus	_____	_____
b. bicycle	_____	_____	f. public bus	_____	_____
c. car	_____	_____	g. other (explain)	_____	_____
d. school bus	_____	_____			

4. Which of the following factors would influence your decision to allow your child to walk or bicycle to school? Please circle YES (Y) or NO (N).

a. Schools provided walking and bicycling route maps to parents and students.	Y	N
b. Additional crossing guards were provided at busy intersections.	Y	N
c. There were continuous sidewalks or bike paths from my neighborhood to the school.	Y	N
d. Bicycle/pedestrian pathways separated from traffic.	Y	N
e. There were fewer cars around where children are walking to school.	Y	N
f. Speed limits were strictly enforced in school speed zones.	Y	N
g. School speed zones were marked with flashing signals.	Y	N
h. There was better street lighting along routes to school	Y	N
i. A greater presence of police officers and safety monitors along safe routes.	Y	N
j. Designated safe route signs along safe route paths at children's eye level.	Y	N
k. There were painted footsteps designating safe routes along sidewalks.	Y	N

5. Please identify specific safety problems of concern to you in your neighborhood or around your child's school (i.e. broken sidewalks, dangerous street crossings, crime areas, high-speed vehicles) and indicate their locations.

6. Please write down any additional factors that might influence your decision to let your child walk or bicycle to school:

7. Do you have any specific route that your family uses to access school?

Please note that all suggestions regarding this study are welcomed.

Thank you for your participation. Please return this survey to your child's teacher.

Village of Pinecrest

Safe Routes to School Study

Palmetto Elementary School

In an effort to improve student safety in and around our schools, the Village of Pinecrest in coordination with the Miami-Dade County Metropolitan Planning Organization, in collaboration with Miami-Dade County Public Schools and other governmental agencies, is looking for ways to reduce the amount and speed of cars, improve walking and bicycling conditions and encourage enforcement and safety education programs. Please help us by providing your opinions to the following questions.

1. What grade is your child/ren in? _____

2. Approximately how far does your child travel to school?

_____ ½ mile or less _____ ½ mile to 1 mile _____ between 1 to 2 miles _____ over 2 miles

3. How does your child usually travel to and from school: (put a check in the appropriate box)

	Arrival	Dismissal		Arrival	Dismissal
a. walk	_____	_____	e. private bus	_____	_____
b. bicycle	_____	_____	f. public bus	_____	_____
c. car	_____	_____	g. other (explain)	_____	_____
d. school bus	_____	_____			

4. Which of the following factors would influence your decision to allow your child to walk or bicycle to school? Please circle YES (Y) or NO (N).

a. Schools provided walking and bicycling route maps to parents and students.	Y	N
b. Additional crossing guards were provided at busy intersections.	Y	N
c. There were continuous sidewalks or bike paths from my neighborhood to the school.	Y	N
d. Bicycle/pedestrian pathways separated from traffic.	Y	N
e. There were fewer cars around where children are walking to school.	Y	N
f. Speed limits were strictly enforced in school speed zones.	Y	N
g. School speed zones were marked with flashing signals.	Y	N
h. There was better street lighting along routes to school	Y	N
i. A greater presence of police officers and safety monitors along safe routes.	Y	N
j. Designated safe route signs along safe route paths at children's eye level.	Y	N
k. There were painted footsteps designating safe routes along sidewalks.	Y	N

5. Please identify specific safety problems of concern to you in your neighborhood or around your child's school (i.e. broken sidewalks, dangerous street crossings, crime areas, high-speed vehicles) and indicate their locations.

6. Please write down any additional factors that might influence your decision to let your child walk or bicycle to school:

7. Do you have any specific route that your family uses to access school?

*Please note that all suggestions regarding this study are welcomed.
Thank you for your participation. Please return this survey to your child's teacher.*

Village of Pinecrest
Safe Routes to School Study
Howard Drive Elementary School

In an effort to improve student safety in and around our schools, the Village of Pinecrest in coordination with the Miami-Dade County Metropolitan Planning Organization, in collaboration with Miami-Dade County Public Schools and other governmental agencies, is looking for ways to reduce the amount and speed of cars, improve walking and bicycling conditions and encourage enforcement and safety education programs. Please help us by providing your opinions to the following questions.

1. Do you live in the village of Pinecrest? Yes _____ No _____

2. What grade is your child/ren in? _____

3. Approximately how far does your child travel to school?
_____ ½ mile or less _____ ½ mile to 1 mile _____ between 1 to 2 miles _____ over 2 miles

4. How does your child usually travel to and from school: (put a check in the appropriate box)

	Arrival	Dismissal		Arrival	Dismissal
a. walk	_____	_____	e. private bus	_____	_____
b. bicycle	_____	_____	f. public bus	_____	_____
c. car	_____	_____	g. other (explain)	_____	_____
d. school bus	_____	_____			

5. Which of the following factors would influence your decision to allow your child to walk or bicycle to school? Please circle YES (Y) or NO (N).

a. Schools provided walking and bicycling route maps to parents and students.	Y	N
b. Additional crossing guards were provided at busy intersections.	Y	N
c. There were continuous sidewalks or bike paths from my neighborhood to the school.	Y	N
d. Bicycle/pedestrian pathways separated from traffic.	Y	N
e. There were fewer cars around where children are walking to school.	Y	N
f. Speed limits were strictly enforced in school speed zones.	Y	N
g. School speed zones were marked with flashing signals.	Y	N
h. There was better street lighting along routes to school	Y	N
i. A greater presence of police officers and safety monitors along safe routes.	Y	N
j. Designated safe route signs along safe route paths at children's eye level.	Y	N
k. There were painted footsteps designating safe routes along sidewalks.	Y	N

6. Please identify specific safety problems of concern to you in your neighborhood or around your child's school (i.e. broken sidewalks, dangerous street crossings, crime areas, high-speed vehicles) and indicate their locations.

7. Please write down any additional factors that might influence your decision to let your child walk or bicycle to school:

8. Do you have any specific route that your family uses to access school?

*Please note that all suggestions regarding this study are welcomed.
Thank you for your participation. Please return this survey to your child's teacher.*

Village of Pinecrest Safe Routes to School Study

Palmetto Middle School

In an effort to improve student safety in and around our schools, the Village of Pinecrest in coordination with the Miami-Dade County Metropolitan Planning Organization, in collaboration with Miami-Dade County Public Schools and other governmental agencies, is looking for ways to reduce the amount and speed of cars, improve walking and bicycling conditions and encourage enforcement and safety education programs. Please help us by providing your opinions to the following questions.

1. What grade is your child/ren in? _____

2. Approximately how far does your child travel to school?

_____ ½ mile or less _____ ½ mile to 1 mile _____ between 1 to 2 miles _____ over 2 miles

3. How does your child usually travel to and from school: (put a check in the appropriate box)

	Arrival	Dismissal		Arrival	Dismissal
a. walk	_____	_____	e. private bus	_____	_____
b. bicycle	_____	_____	f. public bus	_____	_____
c. car	_____	_____	g. other (explain)	_____	_____
d. school bus	_____	_____			

4. Which of the following factors would influence your decision to allow your child to walk or bicycle to school? Please circle YES (Y) or NO (N).

a. Schools provided walking and bicycling route maps to parents and students.	Y	N
b. Additional crossing guards were provided at busy intersections.	Y	N
c. There were continuous sidewalks or bike paths from my neighborhood to the school.	Y	N
d. Bicycle/pedestrian pathways separated from traffic.	Y	N
e. There were fewer cars around where children are walking to school.	Y	N
f. Speed limits were strictly enforced in school speed zones.	Y	N
g. School speed zones were marked with flashing signals.	Y	N
h. There was better street lighting along routes to school	Y	N
i. A greater presence of police officers and safety monitors along safe routes.	Y	N
j. Designated safe route signs along safe route paths at children's eye level.	Y	N
k. There were painted footsteps designating safe routes along sidewalks.	Y	N

5. Please identify specific safety problems of concern to you in your neighborhood or around your child's school (i.e. broken sidewalks, dangerous street crossings, crime areas, high-speed vehicles) and indicate their locations.

6. Please write down any additional factors that might influence your decision to let your child walk or bicycle to school:

7. Do you have any specific route that your family uses to access school?

*Please note that all suggestions regarding this study are welcomed.
Thank you for your participation. Please return this survey to your child's teacher.*

Village of Pinecrest Safe Routes to School Study

Miami Palmetto Senior High Elementary School

In an effort to improve student safety in and around our schools, the Village of Pinecrest in coordination with the Miami-Dade County Metropolitan Planning Organization, in collaboration with Miami-Dade County Public Schools and other governmental agencies, is looking for ways to reduce the amount and speed of cars, improve walking and bicycling conditions and encourage enforcement and safety education programs. Please help us by providing your opinions to the following questions.

1. What grade is your child/ren in? _____

2. Approximately how far does your child travel to school?

_____ ½ mile or less _____ ½ mile to 1 mile _____ between 1 to 2 miles _____ over 2 miles

3. How does your child usually travel to and from school: (put a check in the appropriate box)

	Arrival	Dismissal		Arrival	Dismissal
a. walk	_____	_____	e. private bus	_____	_____
b. bicycle	_____	_____	f. public bus	_____	_____
c. car	_____	_____	g. other (explain)	_____	_____
d. school bus	_____	_____			

4. Which of the following factors would influence your decision to allow your child to walk or bicycle to school? Please circle YES (Y) or NO (N).

a. Schools provided walking and bicycling route maps to parents and students.	Y	N
b. Additional crossing guards were provided at busy intersections.	Y	N
c. There were continuous sidewalks or bike paths from my neighborhood to the school.	Y	N
d. Bicycle/pedestrian pathways separated from traffic.	Y	N
e. There were fewer cars around where children are walking to school.	Y	N
f. Speed limits were strictly enforced in school speed zones.	Y	N
g. School speed zones were marked with flashing signals.	Y	N
h. There was better street lighting along routes to school	Y	N
i. A greater presence of police officers and safety monitors along safe routes.	Y	N
j. Designated safe route signs along safe route paths at children's eye level.	Y	N
k. There were painted footsteps designating safe routes along sidewalks.	Y	N

5. Please identify specific safety problems of concern to you in your neighborhood or around your child's school (i.e. broken sidewalks, dangerous street crossings, crime areas, high-speed vehicles) and indicate their locations.

6. Please write down any additional factors that might influence your decision to let your child walk or bicycle to school:

7. Do you have any specific route that your family uses to access school?

*Please note that all suggestions regarding this study are welcomed.
Thank you for your participation. Please return this survey to your child's teacher.*

APPENDIX B

SURVEY RESULTS

Suggestions obtained from the School Surveys

Village of Pinecrest Safe Routes to School Study

*** *Create Safe Paths***

- Training in the school for ped/bike & stranger safety
- Establish Meeting Points / meeting times
- Create walking/biking groups or buddy system
- Adult supervision along routes to school
- Police presence at specific locations and times on pedestrian bike paths including bike patrols
- Clearly signed bike paths w timers & lights
- Trim landscape along routes

*** *Safety***

- Prohibit right turns on red during school hours at nearby intersections
- Cameras for speeders on 57 Av
- No cell phone and/or texting laws in School Zones
- Improve enforcement of laws
- School calling if child does not arrive
- Enforce complete stops at stop signs

*** *Other Factors***

- heavy book bags
- parking for bikes
- provide lockers (hard to ride a bike w a heavy backpack)

Suggestions obtained from the School Surveys

Village of Pinecrest Safe Routes to School Study

*** Roadway Improvements / Suggestions**

Pinecrest	- crossing guard at Red Rd/104 Street - 4-way stop or Monitor at 60th Avenue/104 Street - Improve Street crossings @ 67th Avenue/104 Street - - Provide sidewalks on: 67 Avenue, 62 Avenue, 102 Street, 100 Street - Slow down traffic on SW 62 Avenue and SW 102 Street - Improve street crossings at Old culter Road/Red Road with SW 120 & SW 112 Streets
Palmetto Elem	- Speeding reported at the following roadways: SW 70, 72, 73, 74 & 77 Avenues SW 126, 124, 120 Streets - Improve crossings at: SW 77 Avenue with 128 , 124 & 120 Streets SW 136 Street/74 Avenue SW 128 Street /SW 74 Avenue SW 124 Street / 67 Avenue SW 120 Street with 72 / 74 Avenue - Provide additional crosswalk at backgate of school, SW 73 Ave between 125-126 Streets - Provide painted crosswalks on 73 av & 74 Ct @ 124 St - Trim landscape along SW 112 Street/SW 77 Avenue
Howard	- Provide sidewalks on: 83 Avenue, - Improve Street Crossings @ 132 & 136 St w 83 & 82 Av - MDC buses on 77 Av - sidewalks on N side of 136 St are broken & covered w hedges - Sidewalks on 77 Av bet 132-136 St are encumbered w hedges
Middle	- 132 St/82 Av is a very busy int w a flashing light - No sidewalk between school & 68 Ct/128 St - 67 Av/104 St is very busy
High	- Improve street crossing conditions at 124 St/73 Av - Bumpy sidewalks along 112 st - Not-continuous sidewalks along 62 avenue - Drivers at 112 St/77 Av turn without watching for peds - Traffic light at 120 St/77 Av does not provide enough time for peds to cross street & vehicles drive very fast

APPENDIX B-1

PINECREST ELEMENTARY

Village of Pinecrest Safe Routes to School Study

Pinecrest Elementary School

Suggestions:

- Establish Meeting Points / meeting times
- Sidewalks on SW 108 St
- 4-way stop @ 60th Avenue/104 Street
- Sidewalks on Snapper Creek
- Monitors on 60th Av/104 St
- Improve Street crossings @ 67th Avenue/104 St
- Police presence at specific locations and times on pedestrian bike paths
- No cell phone use in School Zones
- Sidewalks on 102 St
- No texting laws
- Buddy system
- training in the school for ped/bike & stranger safety
- parking for bikes
- Adult supervision along routes to school
- crossing guard at Red Rd/104 St
- Improve crossing along red rd esp @ 104 St (add crossguard)
- Clearly signed bike paths w timers & lights
- Cameras for speeders on 57 Av
- walkway on 73 Court
- Improve enforcement of laws
- sidewalks 67 av / 102 st
- sidewalks along 100 st
- Trim landscaping at 2 stop signs nb on 60 av bet 124 st & killian
- School calling if child does not arrive
- speed humps
- sidewalks on 62 av
- slow down traffic on 102 st
- provide lockers (hard to ride a bike w a heavy backpack)
- improve street crossings @ ocr/120 st red/112 st ocr/red rd

Deterrents:

- Speed of turning vehicles from SW 102 St
- Strangers walking on sidewalks
- High speeds on 62 Av
- High speeds
- Distance (> 1 mi)
- Speed on 104th Street
- Motorist do not look out for pedestrians
- High Speeds on 96 & 98 Streets
- Dangerous crossing at 67 Av/88 St & 57 Av/88 St
- safety crossing 57 av
- cars at pinecrest Elem block sidewalks
- no safe crossing of 67 av
- high speeds 67 av & 104 st
- school zones are not time coordinated
- proximity of sidewalk to rd at kendall/red rd
- lack od sidewalk on 67 av

Village of Pinecrest Safe Routes to School Study
Pinecrest Elementary School

GRADE							Distance				Travel Mode								Factors that would promote walking biking											Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k	57th Av S		
		1				1	1				1		1						1		1					1					
		1							1				1					1	1	1	1	1	1	1	1	1	1	1	1	68th Av, 104 St, 102 Av	
1		1							1				1																	102 St	
	1									1			1																		
	1						1						1							1	1	1	1	1	1	1	1	1	1		
	1									1																					
	1																														
	1									1			1																		
			1				1						1						1	1	1	1	1	1	1	1	1	1	1	67 Av, 104 St	
		1							1				1																	77th Av, 104 St	
			1						1				1					1	1	1	1	1	1	1	1	1	1	1	1		
	1								1				1						1	1	1	1	1	1	1					104/102 Sts	
					1					1			1					1	1	1	1	1	1	1	1	1	1	1	1		
					1				1					1	1																
		1	1				1				1	1	1						1	1	1	1	1	1		1					
		1								1			1						1	1	1	1	1	1	1	1	1	1	1		
	1								1				1					1	1	1	1	1	1	1		1	1	1	1	Bridge to/from Snapper Crk north on Red Rd	
					1				1				1						1	1	1	1	1	1	1	1	1	1	1		
		1						1					1						1	1	1		1	1							
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		1											1					1		1	1	1	1	1			1	1	1	SW 104 & 112 St	
					1					1			1					1	1							1				SW 114 & 112 St	
					1				1				1						1	1	1	1	1	1	1	1	1	1			
			1							1			1							1	1	1	1	1		1	1	1	1	67th Av & 104th St	
		1						1					1						1	1	1		1	1		1	1	1	1	102 St	
1			1						1				1									1			1	1				57 av & 102 st	
	1					1	1		1				1							1	1					1	1				
1	1						1				1								1			1	1			1					
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		1												1				1	1	1	1	1	1	1	1	1	1	1	1	67 Av & 102 St	
		1					1				1		1						1			1	1	1	1	1					
		1											1						1	1	1	1	1	1	1	1	1	1	1		
		1											1																		
		1											1						1	1	1	1	1	1		1	1	1	1	62 Av & 104 St	
	1	1		1									1	1		1															
		1								1			1																		
		1											1						1	1	1	1	1	1		1	1	1	1		
		1											1						1	1	1	1	1	1	1	1	1	1	1	102 St	
		1				1							1								1	1	1	1	1	1	1	1	1		
						1			1				1									1	1	1							

Village of Pinecrest Safe Routes to School Study
Pinecrest Elementary School

GRADE							Distance				Travel Mode								Factors that would promote walking biking													Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k	57th Av S				
				1		1		1					1					1	1	1	1	1	1	1	1	1	1	1	1	1	57 Av		
						1				1			1					1	1	1	1		1	1	1	1	1	1					
						1				1			1					1	1	1	1	1	1	1		1							
		1							1				1					1	1	1	1	1	1	1		1	1						
		1							1				1					1	1	1	1	1	1	1		1	1				62 Av, 120 & 104 St		
		1							1				1																		OCR, Nogales St, 57 Av N		
		1		1					1		1	1	1						1	1	1	1	1	1	1	1	1	1	1	1			
		1		1	1			1					1																				
		1						1					1						1	1	1		1	1			1	1	1			Red Road	
		1								1			1						1	1	1		1	1			1	1					
		1					1						1						1	1	1	1	1	1					1		bridge over canan & Red Rd		
		1								1			1																			57 Av & 104 St	
	1							1					1					1	1	1	1	1	1	1	1	1	1	1	1	1			
	1									1			1																			67 Av & 102 St	
	1												1					1	1	1	1		1	1									
	1									1			1					1	1		1	1					1	1	1	1			
				1						1			1																			57 Av & 104 St	
				1									1						1	1	1												
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Village of Pinecrest Safe Routes to School Study
Pinecrest Elementary School

GRADE							Distance				Travel Mode							Factors that would promote walking biking											Routes
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k	57th Av S
				1			1						1	1				1	1		1		1		1	1			
				1				1						1				1	1	1	1	1	1	1	1	1	1	1	67 Ac & 101 St
				1						1			1	1															57 & 62 Av
		1								1			1																
					1					1			1																
					1					1			1																
					1					1			1					1	1	1	1		1	1	1	1	1	1	112 St
			1							1			1							1	1	1	1	1	1	1	1	1	
					1					1			1						1	1	1	1	1			1			57 Av
						1			1				1					1	1	1	1	1	1	1	1	1	1		
						1	1						1						1	1	1	1	1		1	1			
						1			1				1	1					1	1	1					1	1	1	57 Av
						1			1				1					1	1	1	1	1	1	1	1	1	1	1	
						1		1					1																77 av 104 st
						1			1		1		1						1	1	1	1	1	1		1	1	1	96 St to 57 av to 104 st
						1			1				1					1	1	1	1		1	1		1		1	
				1					1				1					1	1	1	1		1	1		1	1	1	
1						1		1					1							1	1				1		1		
	1									1			1							1	1	1	1			1			OCR - 57 Av or 62 av 104-102 st
	1								1				1					1	1	1	1	1	1	1	1	1	1	1	57 av
	1									1			1						1	1	1		1	1	1	1	1		
	1									1			1					1	1	1	1	1	1	1	1	1	1		OCR
	1								1				1																102 St
	1								1					1						1	1	1				1	1	1	67 av 102 st
	1								1		1							1	1	1	1	1	1	1	1	1	1	1	
	1								1				1																88 st 67 av 102 st
	1								1				1						1	1	1		1	1			1	1	
	1								1				1																
	1						1						1						1	1	1	1	1			1			
	1								1				1						1	1	1	1	1	1		1	1	1	67 av 102 st
	1		1				1						1					1	1	1	1	1	1	1		1	1	1	OCR RED 102 St
	1		1							1			1					1	1	1	1	1	1	1	1	1	1	1	88 st 62 av 102 st
	1									1			1					1	1	1	1	1	1	1		1	1	1	OCR
					1					1			1				1	1	1	1	1	1	1	1		1	1	1	57 Av
			1						1				1					1	1	1	1	1	1	1		1	1	1	
1					1					1			1					1	1			1	1	1	1	1	1	1	
			1							1			1	1					1	1	1								60 Av
			1							1			1					1	1	1	1	1	1	1		1	1		
						1				1			1					1	1	1	1	1	1	1	1	1	1	1	
						1				1			1					1	1	1	1	1	1	1	1	1	1	1	Kendall Dr
						1				1			1					1	1	1			1				1		

Village of Pinecrest Safe Routes to School Study
Pinecrest Elementary School

GRADE							Distance				Travel Mode								Factors that would promote walking biking											Routes							
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k	57th Av S								
						1				1			1					1		1	1		1	1	1												
						1			1				1						1		1		1			1	1					104 st					
						1								1	1			1	1	1			1	1			1										
						1			1				1										1				1		1								
		1				1				1			1									1	1	1			1	1	1				OCR RED				
			1						1				1						1			1	1					1	1				67 av 102 st				
			1						1						1			1	1			1	1	1	1		1										
			1							1	1		1						1	1	1	1	1	1	1	1	1	1	1	1	1	1					
			1							1					1			1	1	1	1	1	1	1	1	1	1	1	1	1	1						
			1							1			1					1			1	1	1	1				1	1								
			1							1			1					1		1	1	1	1	1				1	1					57 Av			
			1						1				1					1			1	1	1	1	1	1	1	1	1	1							
			1					1					1					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
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			1						1				1		1																						
			1							1			1					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	1		1						1				1						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			Red Road	
				1						1			1					1	1		1	1	1	1	1	1	1								104 ave		
				1						1			1					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				57 Ave	
				1					1				1						1	1	1	1	1	1	1	1	1	1	1	1	1	1				114 to 112 to 57th to 104th	
				1				1					1						1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	1								1				1					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		8th to 62nd to 104th to 60th to 102nd		
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	1								1				1																								88th to 67th to 102nd
	1									1			1					1	1	1	1		1				1	1							67 Ave to 102nd St		
	1									1			1								1	1					1	1	1						- pineneedle to 120th to 62nd ave		
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	1			1									1						1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		d Cutler to Red Rd to 104th & 102nd	
1				1									1						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
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Village of Pinecrest Safe Routes to School Study
Pinecrest Elementary School

GRADE							Distance				Travel Mode								Factors that would promote walking biking												Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k	57th Av S			
					1			1					1						1	1	1	1	1	1				1	1	63/64 Ct, 92/96/102 St, 60 Av		
					1	1			1				1									1	1	1		1						
			1		1				1				1						1	1	1	1	1	1		1	1					
					1					1			1					1	1	1	1	1	1	1		1	1					
					1				1				1						1		1					1						
	1				1		1				1							1	1	1	1	1	1	1	1	1	1	1	1	1		
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Village of Pinecrest Safe Routes to School Study

Pinecrest Elementary School

GRADE							Distance				Travel Mode							Factors that would promote walking biking											Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
					1			1					1					1	1	1	1	1	1	1	1	1	1	1	1	57th Av S
			1		1				1				1				1	1	1	1	1	1	1	1	1	1	1	1	1	60th Ave to 104
					1		1				1																			
					1		1						1						1	1	1	1	1	1		1	1			104th St
					1				1				1					1	1	1	1	1				1	1	1		
					1			1					1																	
					1					1					1			1	1	1	1	1	1	1	1	1	1	1	1	
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		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1							1	1	1	1	1	1	1	1	1	1	
		1							1				1</																	

APPENDIX B-2

PALMETTO ELEMENTARY

Village of Pinecrest Safe Routes to School Study Palmetto Middle School

Suggestions:

- provide a safe place to park bikes
- provide ped/bike lines and route signs
- bike training classes
- groups
- safe bike paths, street crossing & vigilance
- provide designated safe routes w signs
- Increase police presence in the area

Deterrents:

- Crime
- Sex offenders
- Cut through traffic
- Speed
- Lack of respect for rules
- weather
- School's site gate is not monitored
- discontinuous sidewalks
- no bikepaths
- distracted drivers (texting, cell phone, etc.)
- broken sidewalks
- dangerous street crossing: 67 Av
- Gangs, bullying, fights
- Little police presence
- no crossing guards
- sidewalks only on major streets
- Walking alone
- 132 St/82 Av is a very busy int w a flashing light
- No sidewalk between school & 68 Ct/128 St
- 67 Av/104 St is very busy
- lack of curbs on the roads
- Cut through traffic
- Parks park & wait on-street, block view of children to on-coming traffic
- lighting

Village of Pinecrest Safe Routes to School Study
Palmetto Elementary School

GRADE						Distance				Travel Mode								Factors that would promote walking biking											Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
		1								1			1								1	1				1		1	124th St	
				1			1						1						1	1	1	1	1	1		1	1	1	126th St to 71 to 124th St	
					1		1						1					1		1	1		1			1	1	1		
					1		1						1					1	1	1	1	1	1	1	1	1	1	1		
		1			1				1				1																	
	1							1					1										1				1			
					1			1					1																	
		1							1				1					1	1	1	1	1	1	1	1	1	1	1		
			1		1		1						1						1	1	1	1	1	1		1	1	1	Back side of school	
			1							1			1					1	1	1	1	1	1	1	1	1	1	1		
			1										1						1	1	1	1	1	1		1	1	1	72nd St to 124th St	
		1	1							1			1					1	1	1	1	1	1	1	1	1	1	1		
						1		1					1						1			1	1			1	1	1	74th Ave	
						1		1					1						1	1	1	1				1	1	1		
						1		1					1					1	1	1	1	1	1	1	1	1	1	1		
						1			1				1						1	1						1		1	120/124 St to 72nd Ave	
						1				1			1						1	1	1		1	1	1	1	1	1		
				1					1				1						1	1	1	1	1						77nd Ave to 122nd or 124th	
					1		1				1		1					1	1	1	1	1	1	1	1	1	1	1		
					1				1				1																	
		1								1			1								1	1							77 Ave to Left 128th	
		1						1					1							1	1	1	1	1		1	1	1	82nd Ave to 128th St	
1		1								1			1					1	1	1	1	1	1	1	1	1	1	1		
			1							1			1						1			1	1			1			74th Ave	
			1					1					1							1	1	1	1	1		1	1	1	73rd Ave to 124th St	
	1									1			1					1	1	1	1	1	1	1	1	1	1	1		
	1									1			1					1	1	1										
		1						1					1																77th Ave to 124th St	
	1		1				1					1	1		1				1	1	1	1	1	1	1	1	1	1	74 Ave, 120/124 St	
						1			1				1					1	1	1	1	1	1	1	1	1	1	1		
			1							1			1					1											US 1	
			1					1				1	1						1	1	1	1	1	1	1				72nd Ave	
		1								1			1					1	1	1	1	1	1		1	1	1	1	US 1, 128/124 St	
					1		1						1						1	1	1	1	1	1	1		1	1		
	1						1						1					1	1	1	1	1	1	1		1	1	1		

Village of Pinecrest Safe Routes to School Study
Palmetto Elementary School

GRADE							Distance				Travel Mode								Factors that would promote walking biking												Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k				
		1					1						1						1	1	1	1	1				1			72nd Pl, 120/124 St, 73 Av		
		1					1				1		1					1	1	1		1	1	1		1	1	1	72 Pl, 77 Av, 124 St			
		1						1					1					1	1	1	1	1	1	1	1	1	1	1	77th Ave to 124th St			
			1					1					1					1	1	1	1	1	1	1	1	1	1	1	77th Ave to 124th St			
					1					1			1						1	1			1	1			1		72nd Ave			
	1					1				1			1						1	1	1	1	1	1	1	1	1	1	77th Ave to 124th St			
1			1						1				1					1	1	1	1	1	1	1		1						
						1	1						1						1	1		1	1		1	1	1					
				1					1				1		1							1	1									
				1				1					1			1			1	1	1	1	1	1	1	1	1	1	1			
				1									1					1	1	1	1	1	1	1	1	1	1	1	1			
				1			1						1																			
				1						1			1						1	1	1	1					1					
				1					1				1					1	1	1	1	1	1	1	1	1	1	1	1			
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		1					1						1																			
		1											1																			

Village of Pinecrest Safe Routes to School Study
Palmetto Elementary School

GRADE							Distance				Travel Mode							Factors that would promote walking biking											Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
		1								1			1					1	1						1	1		1		
	1						1						1					1	1	1		1	1	1		1	1	1	72nd Pl to 124th st	
		1					1						1																	
1				1		1		1					1						1	1	1					1				
				1					1				1							1	1	1	1			1	1	1	72nd Ave to 124th St	
		1		1			1						1					1	1	1	1	1	1	1	1	1	1	1	72nd Ave to 124th St	
				1						1				1				1	1	1	1	1	1	1	1	1	1	1		
						1		1					1					1	1	1	1	1	1	1	1	1	1	1		
					1	1	1						1						1	1	1	1	1	1		1	1		73/74 Ave, 128 St	
					1	1			1				1						1	1			1	1			1			
	1					1			1			1	1					1		1	1	1	1	1	1	1	1			
						1		1					1					1	1	1	1	1	1	1		1	1		77/73 Av, 120 St	
						1		1					1					1	1	1	1	1	1	1	1	1	1	1		
						1	1						1															1		
		1				1			1				1							1	1	1	1			1			124th St	
						1				1			1					1	1			1	1			1				
						1			1				1													1				
						1		1					1					1	1	1		1	1	1		1				
						1			1			1	1						1	1	1		1	1	1	1	1	1		
						1			1				1					1	1	1	1	1	1	1		1	1		72nd Ave	
			1			1		1					1						1	1	1	1	1	1		1			72nd Ave to 124th St	
				1		1	1						1					1	1	1	1	1	1	1	1	1	1	1		

5	10	24	16	21	13	27	31	26	19	18	7	6	93	1	2	0	0	43	65	66	64	64	67	60	34	71	57	43
						116				94							109										634	
4.3%	8.6%	20.7%	13.8%	18.1%	11.2%	23.3%	33.0%	27.7%	20.2%	19.1%	6.4%	5.5%	85.3%	0.9%	1.8%	0.0%	0.0%	6.8%	10.3%	10.4%	10.1%	10.1%	10.6%	9.5%	5.4%	11.2%	9.0%	6.8%

APPENDIX B-3

HOWARD DRIVE ELEMENTARY

Survey Results

Village of Pinecrest Safe Routes to School Study **Howard Drive Elementary School**

Suggestions:

- Increase police presence
- Create safe bike paths
- Create walking/biking groups or buddy system
- more crossing guards near Palmetto Middle
- Crossing guards @ 136 St & 74 Av
- prohibit rt on red during school hours at nearby intersections

Deterrents:

- No Sidewalk on 83 Av
- Crossing @ 132 & 16 St w 83 Av
- No Crossing guard at 132 & 136 St/82 Av
- MDC buses on 77 Av
- Speeding
- continuous sidewalks in vicinity of school
- heavy book bags
- high speeds
- sidewalks on N side of 136 St are broken & covered w hedges
- vehicles do not make complete stops at stop signs
- Crime
- Sidewalks on 77 Av bet 12-136 St are encumbered w hedges
- sidewalks 67 av / 102 st
- sidewalks along 100 st
- Trim landscaping at 2 stop signs nb on 60 av bet 124 st & killian
- School calling if child does not arrive
- speed humps
- sidewalks on 62 av
- slow down traffic on 102 st
- provide lockers (hard to ride a bike w a heavy backpack)
- improve street crossings @ ocr/120 st red/112 st ocr/red rd

Village of Pinecrest Safe Routes to School Study
Howard Drive Elementary School

GRADE							Distance				Travel Mode								Factors that would promote walking biking												Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k				
					1				1				1						1	1	1	1		1	1		1	1	1	Old Cutler Road		
1					1			1					1						1	1	1	1	1	1	1		1	1	1	4 Av, 136 St, 77 Av, 132 St		
					1		1						1					1	1	1	1	1	1	1	1	1	1	1	1	th St to 82nd Ave to 136th St		
1								1					1						1	1	1	1	1	1	1	1	1	1	1			
						1			1				1					1	1	1	1	1	1			1				136th St		
						1	1						1					1		1	1	1	1	1				1				
						1			1				1					1	1	1		1										
				1			1						1					1	1		1					1	1	1		136th St		
	1	1					1				1							1	1	1	1	1	1	1	1	1	1	1	1	136th St		
			1							1			1					1	1	1	1	1	1	1	1	1	1	1	1			
	1								1				1					1	1	1	1	1	1	1		1	1	1	1			
1	1								1				1							1	1	1	1	1			1	1	1	136th St		
						1	1				1		1						1							1	1	1	1	136/132 St, 77 Av		
						1	1				1							1	1	1	1	1	1	1	1	1	1	1	1			
						1	1						1					1	1	1	1	1	1	1	1	1	1	1	1			
			1	1			1						1						1	1	1	1	1	1		1				136th St		
						1			1		1	1	1					1	1	1	1	1	1	1	1	1	1	1	1	141 St to 77th Ave		
						1		1					1				1	1		1	1	1	1							136th to 77th Ave		
1							1						1									1	1			1						
		1					1				1		1						1	1	1	1	1	1		1		1				
			1						1				1						1			1	1	1		1	1	1	1			

Village of Pinecrest Safe Routes to School Study
Howard Drive Elementary School

GRADE							Distance				Travel Mode								Factors that would promote walking biking												Routes	
PK	K	1	2	3	4	5	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k				
					1			1					1					1		1	1	1	1			1	1	1				
	1				1			1			1	1							1	1	1	1		1					136th or 134th St			
			1		1		1				1		1				1		1	1	1	1	1	1		1	1	1	136th St			
	1		1				1				1	1						1	1	1	1	1	1	1		1	1	1	78/82 Av, 134 St			
			1		1		1				1		1				1		1	1	1	1	1	1		1	1	1	134th St			
		1						1					1					1	1	1	1	1	1	1	1	1	1	1				
		1			1		1						1					1	1	1	1	1	1	1	1	1	1	1				
1					1			1					1					1		1	1	1	1			1	1	1				
			1	1			1				1							1		1	1		1	1	1		1	1	77th Ave			
		1		1			1						1						1	1	1	1	1	1		1			136th St			
			1				1						1					1		1	1	1	1			1	1		77th Ave			
	1		1		1			1					1					1	1	1	1	1	1	1		1	1	1	82 Ave to 86 St			
	1		1							1			1					1		1	1		1	1	1		1	1	72nd St			
1							1				1		1					1	1	1	1	1	1	1		1	1	1	132nd St to 77th Ave			
			1				1						1						1	1	1	1	1	1	1				132 St, 72/82 Av			
			1				1				1							1	1	1	1	1	1	1	1	1	1	1				
		1							1				1					1		1	1		1	1					136th St			

6	7	6	12	4	10	8	20	8	8	2	12	3	32	0	0	0	3	24	28	33	33	29	34	29	13	29	26	27
						53				38							50											305
11.3%	13.2%	11.3%	22.6%	7.5%	18.9%	15.1%	52.6%	21.1%	21.1%	5.3%	24.0%	6.0%	64.0%	0.0%	0.0%	0.0%	6.0%	7.9%	9.2%	10.8%	10.8%	9.5%	11.1%	9.5%	4.3%	9.5%	8.5%	8.9%

APPENDIX B-4

PALMETTO MIDDLE

Village of Pinecrest Safe Routes to School Study Palmetto Middle School

Suggestions:

- provide a safe place to park bikes
- provide ped/bike lines and route signs
- bike training classes
- groups
- safe bike paths, street crossing & vigilance
- provide designated safe routes w signs
- Increase police presence in the area

Deterrents:

- Crime
- Sex offenders
- Cut through traffic
- Speed
- Lack of respect for rules
- weather
- School's site gate is not monitored
- discontinuous sidewalks
- no bikepaths
- distracted drivers (texting, cell phone, etc.)
- broken sidewalks
- dangerous street crossing: 67 Av
- Gangs, bullying, fights
- Little police presence
- no crossing guards
- sidewalks only on major streets
- Walking alone
- 132 St/82 Av is a very busy int w a flashing light
- No sidewalk between school & 68 Ct/128 St
- 67 Av/104 St is very busy
- lack of curbs on the roads
- Cut through traffic
- Parks park & wait on-street, block view of children to on-coming traffic
- lighting

Village of Pinecrest Safe Routes to School Study **Palmetto Middle School**

GRADE			Distance				Travel Mode							Factors that would promote walking biking											Routes
6	7	8	0.5 mil	5- 1 m	2 mil	+ mile	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k	
1				1					1					1	1	1	1	1	1	1	1	1	1	1	62 Av, 120 St, 72 St, 126 St
	1				1				1						1	1	1	1	1			1	1		
		1			1				1					1	1	1	1	1	1	1	1	1	1	1	
	1				1		1		1					1	1	1	1	1	1	1	1	1	1	1	US 1 to 128th St
	1					1			1					1	1	1	1	1	1	1	1	1			
		1				1				1					1	1	1	1	1	1		1			
1						1				1															128th St to 124th St
1					1				1							1	1	1			1				
1		1				1			1					1	1	1	1	1	1	1	1	1	1	1	
1						1				1				1	1	1	1	1	1	1			1	1	120th St to 87th Ave to 128th St
1						1				1				1	1	1	1	1	1	1	1	1			
1			1						1						1	1	1	1	1	1	1	1			
	1					1				1				1	1	1	1	1	1	1	1	1	1	1	
		1				1				1				1	1	1	1	1	1	1	1	1	1	1	
						1			1					1	1	1	1	1	1	1	1	1	1	1	
1					1				1					1	1	1	1	1	1	1			1	1	
1						1			1					1	1	1	1	1	1	1			1	1	
1						1			1					1	1	1	1	1	1	1	1	1	1	1	
	1								1					1	1	1	1	1	1	1	1	1	1	1	Howard Drive, 68 Ct, 72 Av,128 St
		1			1		1		1				1			1	1					1			
1		1				1			1				1		1	1	1	1	1	1	1	1	1	1	
1									1					1	1	1	1	1	1	1	1	1	1	1	136 St from 72 to 132 St to 73 Ave
1		1			1				1																
1						1			1						1	1	1	1	1	1		1	1	1	
1				1					1							1			1		1	1	1	1	69th to 136th to 72nd to 126th
1					1				1							1			1		1	1	1	1	
	1					1			1								1		1						
	1					1			1								1		1						97th Ave to 128th St
	1			1					1								1		1						
	1					1			1									1							
		1			1				1					1	1		1	1	1	1		1			74th Ave
					1				1					1	1		1	1	1	1		1			
		1			1				1					1	1	1	1	1	1	1	1	1	1	1	
			1		1				1					1	1	1	1	1	1	1	1	1	1	1	124th crossing 67th Ave
		1			1				1					1	1	1	1	1	1	1	1	1	1	1	
						1				1															
		1				1				1															136 St - 74 Ave or 124/128 St - 72 Ave
										1															
		1				1			1						1	1	1	1	1			1			
		1				1			1						1	1	1	1	1			1			77th Ave

Village of Pinecrest Safe Routes to School Study **Palmetto Middle School**

[illegible]

Village of Pinecrest Safe Routes to School Study
Palmetto Middle School

GRADE			Distance				Travel Mode							Factors that would promote walking biking											Routes	
6	7	8	0.5 mil	5- 1 m	2 mil	+ mile	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
	1					1			1					1	1	1		1	1	1		1	1			
	1			1					1					1			1						1	1		
	1				1				1						1	1	1	1	1	1		1	1	1	112th St to 72nd Ave to 128th St	
1		1		1				1	1					1	1	1	1	1	1	1	1	1	1	1		
		1			1						1			1	1	1	1				1	1	1			
1		1				1			1	1				1	1	1	1	1	1	1	1	1	1	1		
	1	1				1			1																Moss Ranch Rd, 62/72 Av, 124/128 St	
	1					1			1	1								1		1		1			104th Street	
	1				1				1						1	1	1	1		1		1				
	1				1			1	1					1	1	1	1	1	1	1	1	1	1	1		
	1		1						1			1		1	1	1	1	1	1	1	1	1	1	1		
	1				1				1					1	1	1	1	1	1	1	1	1	1	1		
	1					1				1					1		1				1				US 1 and 128th St	
	1				1				1					1	1	1	1	1	1	1	1	1	1	1		
	1					1			1	1								1								
	1				1	1			1					1	1	1	1			1		1	1			
	1			1					1					1	1	1	1	1	1	1	1	1	1	1		
	1					1			1						1						1				US 1 amd 128th St	
	1		1						1						1	1	1	1	1	1	1	1	1	1		
	1				1				1	1				1	1	1	1	1	1	1	1	1	1	1		
	1			1					1						1						1					
	1								1						1	1	1	1	1	1	1	1	1	1		
	1					1			1					1	1	1	1	1	1	1	1	1	1	1		
	1		1				1		1					1	1	1	1	1	1	1	1	1	1	1		
	1		1				1		1					1	1	1	1	1	1	1	1	1	1	1		
	1					1			1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
	1								1						1	1	1	1	1	1	1	1	1	1		
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	1								1						1	1	1	1	1	1	1	1	1	1		
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APPENDIX B-5

MIAMI PALMETTO SENIOR HIGH

Survey Results

Village of Pinecrest Safe Routes to School Study

Miami Palmetto Senior High

Suggestions:

- groups/buddy systems
- greater police presence
- enforce speed limits
- crossing guards
- Improve crossing conditions at 124 St/73 Av
- Start school day later for better natural light and more time to walk/bike
- provide safe parking for bikes
- neighborhood shuttle
- bike paths or wide curbs
- provide specific routes & close monitoring
- Increase safety controls during am and pm hours
- Police monitoring walk/bike routes
- Turn roadways surrounding street into 1-way streets to improve flow at drop-off & discharge times

Deterrents:

- high speed
- crime
- drug dealing
- bad drivers
- broken sidewalks
- driving habits
- walking alone
- broken or non-continuous sidewalks
- emergency
- police cars blocking sidewalks
- weather
- lighting
- drug use outside school premises (use of uniform should be enforced to identify students doing this)
- bumpy sidewalks along 112 st
- No police or monitors at drop-off and pick-up times
- No specific bike paths
- enforce safety and speed rules
- lack of continuous ped walkways
- dark in the early morning and few street lights available
- vehicles do not yield to pedestrians wanting to cross the road
- cars turning quickly at ints without regards to peds
- driving and texting or talking
- broken glass on and around campus
- lack of street lights
- no or not-continuous sidewalks along 62 avenue
- bullying and fighting
- weather
- Registered sex offenders in area
- construction sites on 77 av
- Drivers at 112 St/77 Av turn w/o watching for peds
- Kids Fighting
- Traffic light at 120 St/77 Av does not provide enough time for peds to cross street & vehicles drive very fast

Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking											Routes	
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
	1						1			1						1	1	1	1	1	1	1	1			144/124 St, 97/77/72 Av, US1	
	1					1				1					1	1	1	1	1	1	1	1	1	1	1		
1				1				1								1	1	1	1	1	1			1		72nd Ave to 124th St	
1						1				1					1	1	1	1	1	1	1	1	1	1	1		
1							1				1				1	1	1	1	1	1		1	1				
1							1			1					1	1	1	1	1	1	1	1	1	1	1		
			1			1				1																112 to 74th 72/74 Ave, 112 St	
1						1				1	1																
	1					1				1						1	1	1	1	1	1		1	1			
	1					1				1							1	1	1	1	1			1		US1, 82 Ave 77th Ave	
1	1						1			1			1						1	1	1		1		1		
1				1						1					1		1	1					1				
	1					1				1	1		1		1	1	1	1	1	1	1	1	1	1	1		
		1			1						1		1		1	1		1	1	1	1	1		1			
		1			1						1		1		1	1		1	1	1	1	1		1			
	1										1																
					1			1		1					1	1	1	1	1	1	1	1	1	1	1		
1						1				1																124th St	
	1						1			1	1				1	1	1	1	1	1	1	1	1	1	1		
	1					1				1					1		1	1	1	1	1	1	1	1	1		
			1				1			1					1	1	1	1	1	1	1			1	1		
			1			1				1																US1	
			1			1		1		1					1	1	1	1	1	1	1	1	1	1	1		
			1			1				1																	
			1			1				1	1																
	1						1			1																112th to 73rd	
			1				1	1		1	1					1	1	1	1	1	1	1	1	1	1		
1							1			1	1						1	1								112th St 112th St 120th St	
1						1		1		1							1	1									
			1				1			1						1	1	1						1	1		
		1					1			1					1	1	1	1	1	1	1	1	1	1	1		

Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking											Routes	
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
			1				1			1								1					1			Chapman Field, 67 Av, 120 St	
		1					1			1																	
		1					1				1			1		1	1	1	1	1	1	1	1	1			
		1	1			1				1							1	1									
		1				1				1	1						1		1						1		
			1				1			1																	
			1				1			1					1	1	1	1	1	1	1	1	1	1			
			1				1			1					1	1	1	1	1	1	1	1	1	1	1	156th to 77th	
			1				1			1							1	1							1	82nd Ave to 120th	
		1		1						1					1	1	1	1	1	1	1	1	1				
		1					1			1						1	1	1		1	1	1	1				
		1					1			1						1				1	1	1	1				
		1				1				1					1	1				1	1	1	1				
			1			1				1					1	1	1		1		1	1	1				
		1					1			1							1			1	1	1	1			US1	
	1						1			1						1	1	1		1				1			
		1								1					1	1	1	1	1	1		1	1				
		1					1			1							1	1								77th Ave	
		1		1				1								1	1	1	1	1	1	1	1	1			
			1				1			1					1	1	1	1	1	1	1	1	1	1	1		
			1				1			1																	
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			1			1				1																	
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1							1	1	1							1	1	1									
	1					1				1					1	1	1	1	1	1	1	1	1	1	1		72nd Ave to 112th St
	1						1			1							1	1	1								
	1					1				1	1		1		1	1	1	1	1	1	1	1	1	1	1		
	1					1				1									1								
	1						1			1					1	1	1	1	1		1	1		1	1		Old Cutler
1							1				1					1	1	1	1	1	1	1	1				OCR, 152 St, 77 Ave
	1					1		1		1					1			1									77th Ave
1							1				1				1	1	1	1	1	1	1	1	1	1	1		87/82/77 Av, 152/168 St
1							1				1						1						1	1	1		
1						1				1										1							77th Ave
1							1			1							1			1				1	1		144th St
1				1						1		1			1	1	1	1		1				1	1	1	
1							1				1				1	1	1	1									
1			1			1				1							1	1	1	1					1		

Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

[illegible]

Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking												Routes
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
1							1				1		1		1	1	1	1	1	1	1	1	1	1	1		
1							1			1					1		1	1		1		1		1	1		
1							1				1																
1						1					1	1			1		1	1	1	1	1	1	1	1	1	1	
	1						1			1																US1	
1							1			1							1	1								128 St to 62 Ave to 120 St	
1							1						1		1	1	1	1	1	1	1	1	1	1	1	1	
	1						1				1																
	1						1				1		1		1	1	1	1	1	1	1	1	1	1	1		
		1				1				1					1	1	1	1	1	1			1	1	1	1	
		1			1					1						1	1	1	1	1	1		1	1	1	68th Ct to 120th St	
			1				1			1						1	1	1	1	1	1	1	1	1	1		
			1			1					1				1	1	1	1	1		1		1	1			
1				1						1					1	1	1	1	1	1			1	1			
1						1				1				1	1	1	1	1	1	1			1				
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1		1					1			1					1	1	1	1	1	1	1	1	1	1	1	1	
	1			1				1							1	1	1	1	1	1	1	1				74th Ave to 118th St	
1						1				1					1	1	1	1	1	1	1	1	1	1	1	1	
1						1				1									1	1		1		1			
	1					1				1																	
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Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking												Routes
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
	1						1			1	1																
	1						1			1						1	1	1	1	1	1	1	1				
	1						1			1	1				1	1	1	1	1	1	1	1	1	1	1		
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		1				1			1	1								1	1							60th St to 112 to 74th	
		1			1				1	1								1									
		1					1			1									1			1					
1	1				1					1																136 to 120th to 72nd	
1							1			1	1				1	1	1	1	1	1	1	1	1	1	1	Ludlum to 124th St	
		1					1			1						1	1	1	1	1	1	1	1	1	1	US1	
1							1			1	1				1	1	1	1	1	1	1	1		1	1	Ludlum to 124th St	
			1				1			1							1	1									
		1					1			1							1	1	1	1		1				112 to 77th Ave	
		1			1					1							1	1	1		1	1	1				
		1			1					1										1			1				
		1		1						1						1	1			1	1		1			72nd Ave to 120th St	
			1			1					1																
			1			1				1	1					1							1				
			1							1																152nd St to 77th Ave	
			1				1			1					1	1	1	1	1	1	1	1	1	1	1		
			1				1				1							1								87/82 Ave to 152nd St	
1		1		1				1		1					1	1	1	1	1						1		
			1				1			1					1	1	1	1	1		1	1	1	1			
			1				1			1					1		1	1		1	1	1	1	1			
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Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking											Routes	
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
		1			1					1						1	1	1		1	1	1	1	1	1		
	1						1				1				1	1	1	1	1	1	1	1	1				
1		1		1				1								1	1	1	1	1	1	1	1	1	1		
1					1					1								1	1	1	1	1	1	1			
	1						1			1	1						1	1		1						77th Ave	
		1				1				1					1	1	1	1	1	1			1	1			
		1					1			1					1					1			1	1			
		1				1				1																	
		1					1			1	1				1					1			1			124th St to 72nd Ave	
	1						1				1					1	1	1	1	1	1		1	1	1		
	1					1				1					1	1	1	1	1	1	1	1	1	1	1	US 1 to 104th St to 120th	
	1									1					1	1	1	1	1	1	1	1	1	1	1		
	1						1			1					1		1	1		1		1	1				
	1						1			1						1	1		1	1			1				
	1									1							1	1		1	1				1		
	1									1										1							
	1						1				1				1											Old Cutler Rd	
	1				1			1		1					1	1	1	1		1	1	1	1	1	1		
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Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking											Routes	
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
		1					1			1																	
			1				1			1								1									
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1		1					1			1													1				
			1				1			1	1																
		1				1					1					1				1	1						
		1					1			1					1			1	1			1				1	
		1					1			1					1					1	1	1	1	1	1		
1						1		1		1						1	1	1	1	1	1	1	1	1			Drive 144-77-126 Walk 126-124-73-120
1	1						1				1				1	1	1	1	1	1	1	1	1	1			
1						1				1					1	1	1	1	1	1	1	1	1	1	1		
1			1	1				1							1	1	1	1	1	1	1	1	1	1	1		
		1				1				1	1				1	1	1	1	1	1	1	1	1	1	1		
		1					1			1					1	1			1	1			1	1	1		
		1			1					1				1													77th Ave
		1					1			1	1						1	1				1			1		
		1					1			1	1						1	1				1	1				
		1			1					1							1			1			1				
		1				1				1																	
		1			1					1					1						1						
		1				1				1					1	1	1	1	1	1	1	1	1	1	1		
		1				1				1						1	1	1	1	1	1	1	1				112th 67th Ave
		1				1				1						1											
1					1			1		1					1		1	1	1	1							
	1						1			1					1		1	1	1		1	1	1				
1							1			1	1				1	1	1	1	1	1			1	1	1		
			1				1				1											1					
1						1				1					1	1			1	1		1					
1						1				1	1					1	1	1		1							
		1					1			1							1	1		1	1	1	1	1	1		
	1						1			1																	Old Cutler
	1						1						1														
	1					1				1	1					1		1	1	1	1		1				
			1				1			1	1				1	1		1	1	1		1	1	1			120th St
	1						1			1				1	1		1	1	1	1	1	1	1	1	1		
1					1					1						1	1	1	1	1	1			1			

Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking												Routes
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k		
1							1				1						1		e								
1						1				1												1					
1				1						1												1					
			1				1			1					1	1	1	1					1			112 to 120th	
	1						1			1			1				1	1		1	1	1		1	1		
	1						1				1				1	1	1	1	1	1	1	1	1	1	1	77 Ave	
		1					1			1																	
1		1			1					1					1	1	1	1	1	1	1	1	1			82nd Ave to 120th St	
	1						1			1					1	1	1	1	1	1	1	1	1	1	1		
		1				1		1							1					1	1						
		1				1				1					1		1	1	1		1	1					
		1			1					1					1	1	1	1	1	1	1	1	1	1	1		
		1		1	1					1						1	1	1	1	1	1	1	1	1	1		
		1			1					1						1	1	1	1	1		1	1			131st to 72nd Ave to 120th	
		1		1				1																			
		1				1				1																72/82 Ave, 120/136 St	
		1				1				1																136th to 77th to 120th	
		1					1			1	1				1			1	1	1	1	1	1	1	1		
		1					1				1				1			1		1	1	1	1	1		77th	
		1				1				1																	
		1			1					1					1	1	1	1	1	1	1	1	1	1	1		
			1			1				1						1	1	1		1	1	1	1			120th St	
		1			1									1													
		1				1		1		1					1	1	1	1	1	1	1	1	1	1		77th Ave from 136th St	
		1					1			1							1	1	1	1			1	1			
			1				1			1					1	1	1	1	1	1	1	1	1	1	1		
			1				1				1				1	1	1	1	1	1	1	1	1	1	1		
1			1	1						1						1	1	1	1	1	1						
1		1					1			1	1					1	1	1	1	1	1		1				
1		1					1			1					1	1	1	1		1	1	1					
	1	1					1			1						1	1	1	1			1					
		1					1			1					1	1	1	1	1	1		1	1				
			1				1			1					1	1	1	1			1	1	1	1			
		1					1			1					1	1	1	1				1				77th Ave	
			1				1				1																
			1			1					1						1	1		1	1		1				
		1					1				1						1	1		1		1	1	1			
		1				1					1						1			1			1				
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Village of Pinecrest Safe Routes to School Study
Miami Palmetto Senior High

GRADE				Distance				Travel Mode							Factors that would promote walking biking											Routes
9	10	11	12	0.5	1	2	2+	Walk	Bike	car	sch bus	priv bus	pub bus	other	a	b	c	d	e	f	g	h	i	j	k	
			1			1				1					1	1	1		1	1				1	1	
		1				1				1						1	1	1	1	1	1	1	1	1		Old Cutler
		1				1		1		1	1							1	1			1			1	
		1					1							1		1	1	1				1	1	1		
		1					1			1																
			1				1			1					1	1	1	1	1	1		1	1		1	US 1
		1				1				1						1	1	1	1		1	1	1	1	1	77th Ave
			1				1			1			1				1	1	1	1					1	Colonial Dr to US 1, 128 St
			1		1					1	1					1	1	1	1							
			1				1			1	1		1		1	1	1	1	1	1	1	1	1	1	1	
		1					1				1				1	1	1	1	1	1	1	1	1	1	1	
		1					1			1					1		1	1			1	1	1	1		Old Cutler
			1				1			1					1		1	1	1			1				
			1				1			1							1	1			1	1				
			1				1			1							1	1			1	1			1	136th
			1				1				1				1	1	1	1	1	1	1	1	1	1	1	
		1		1						1	1				1		1	1			1	1	1	1	1	143rd St to 87th Ave
			1	1						1							1	1	1	1			1		1	
		1			1					1									1							
		1					1			1	1								1	1						
		1				1				1					1		1			1	1		1	1		57 Av, 104/112 St, 72/74 Av
			1			1				1					1	1	1	1	1	1	1	1	1	1	1	
			1				1			1					1		1		1	1				1		
			1				1			1					1	1	1	1	1	1	1	1	1	1	1	
			1				1			1			1		1	1	1	1	1	1	1	1	1	1	1	
			1				1			1					1					1	1					77th Ave
			1				1			1							1	1								
			1				1			1							1	1	1	1	1	1	1			US 1 to 124th St
			1			1				1					1	1	1	1		1	1	1	1	1	1	
	1			1			1			1							1	1	1	1	1	1	1	1	1	77th Ave and 82nd Ave
			1				1			1						1	1	1	1	1	1	1	1	1	1	
			1				1			1							1	1	1	1	1	1	1	1	1	77th Ave or 82nd Ave
1			1				1			1					1	1	1	1	1	1	1	1	1	1	1	77th Ave
			1							1					1	1	1	1	1	1	1	1	1	1	1	
	1	1	1			1				1					1	1			1							
			1				1				1											1				
			1				1				1											1				US 1 to 152nd
			1				1				1					1	1									
			1				1			1							1	1	1		1			1		
	1				1			1		1					1	1	1	1	1	1						

Village of Pinecrest

Safe Routes to School Study

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