

# Appendices

## #GPC V-12

### Safe Routes to School 2013 Infrastructure Plans



Prepared by



Kimley-Horn  
and Associates, Inc.



Prepared for



## **APPENDICES**

Appendix A: SRTS Implementation Status Map

Appendix B: SAC Presentation

Appendix C: SRTS Maps and Cost Estimates

Appendix D: Prioritization Results

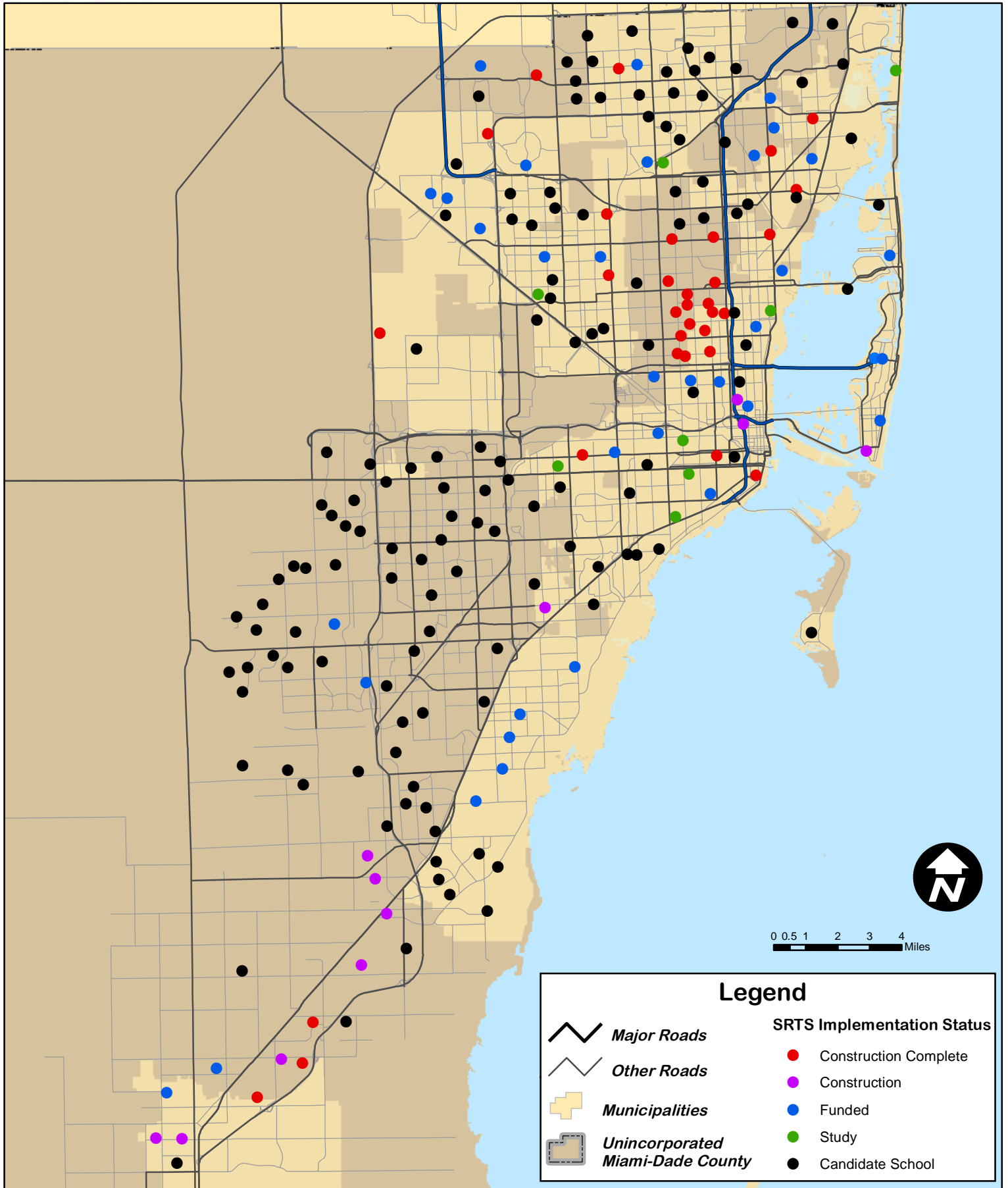
**APPENDIX A**

**SRTS Implementation Status Map**



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## SRTS INFRASTRUCTURE PROGRAM STATUS





**APPENDIX B**

**SAC Presentation**



MIAMI-DADE MPO

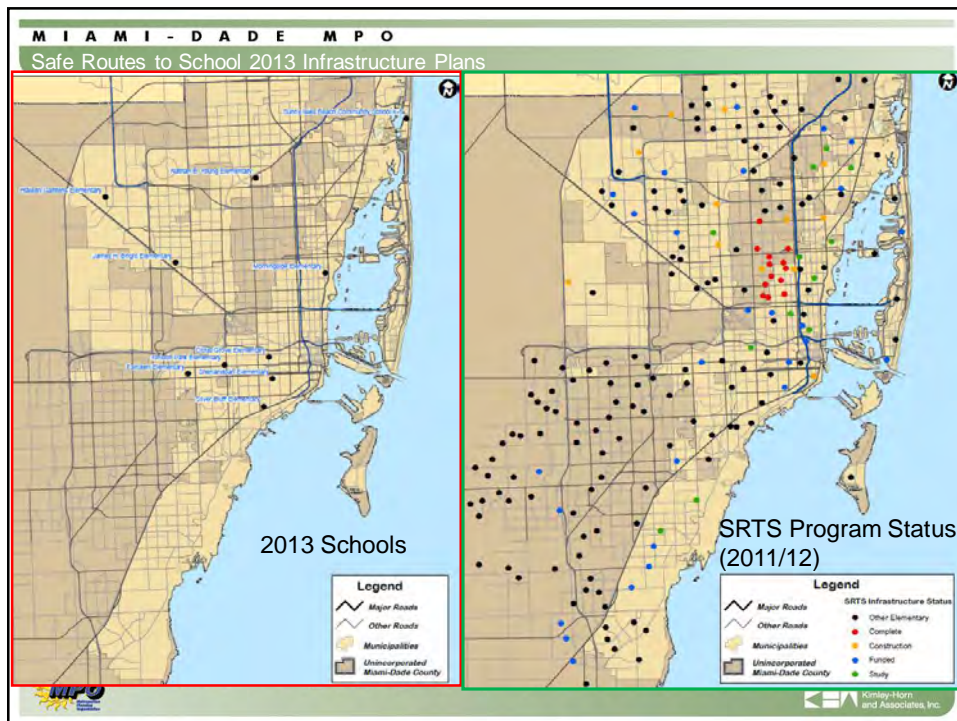
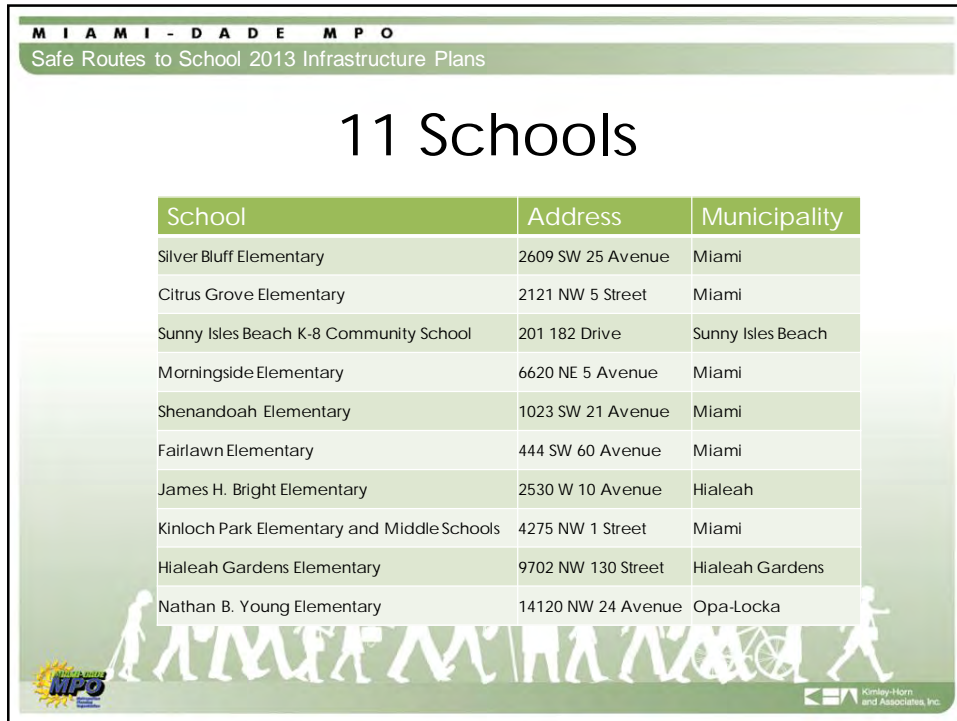
Safe Routes to School 2013 Infrastructure Plans

## Background

- In 2011, all candidate elementary/K-8 schools were prioritized for SRTS improvements.
- MDPS selected 11 schools for 2013 applications using prioritization results as a guide.

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## Process

- Meetings with school staff.
- Review aerials and land use maps to identify residential areas and walk routes.
- Data analysis and mapping: traffic counts, roadway network, pedestrian and bicycle crashes.
- Field reviews.




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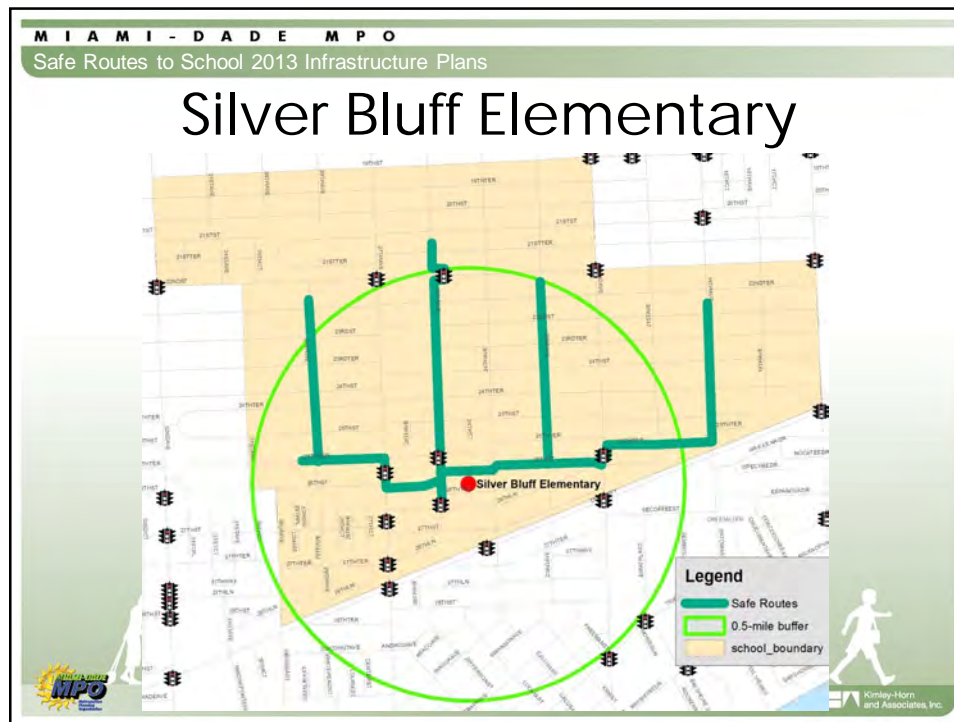
## Silver Bluff Elementary

- Typical improvements
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - Countdown signals
  - ADA facility upgrades
- Approximate cost - \$100,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.



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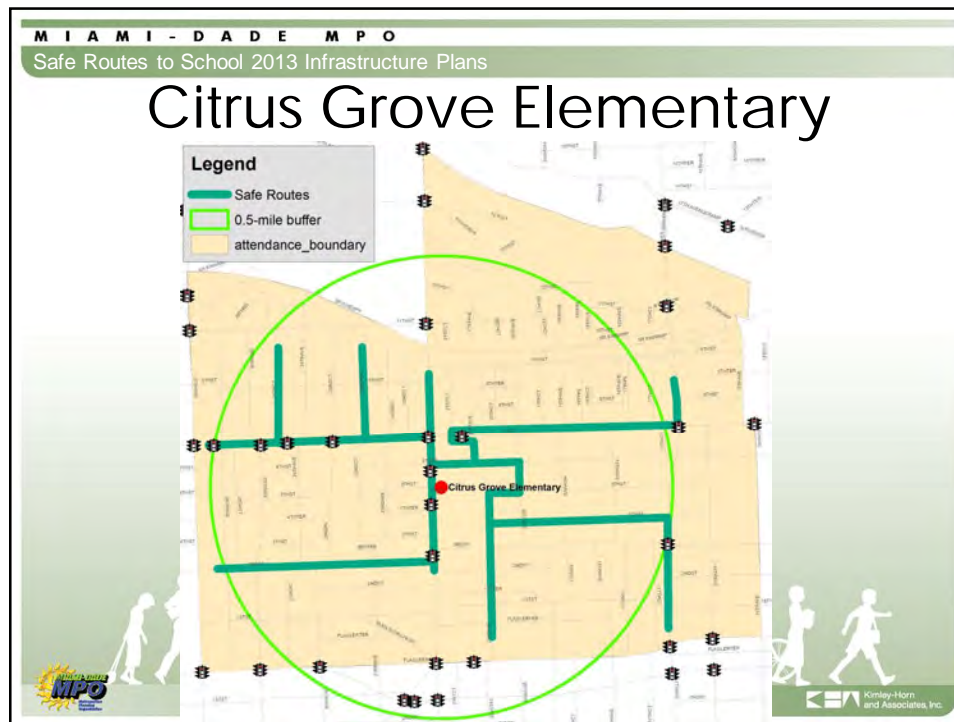
## Citrus Grove Elementary

- Typical improvements
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - Countdown signals
  - ADA facility upgrades
- Approximate cost - \$165,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

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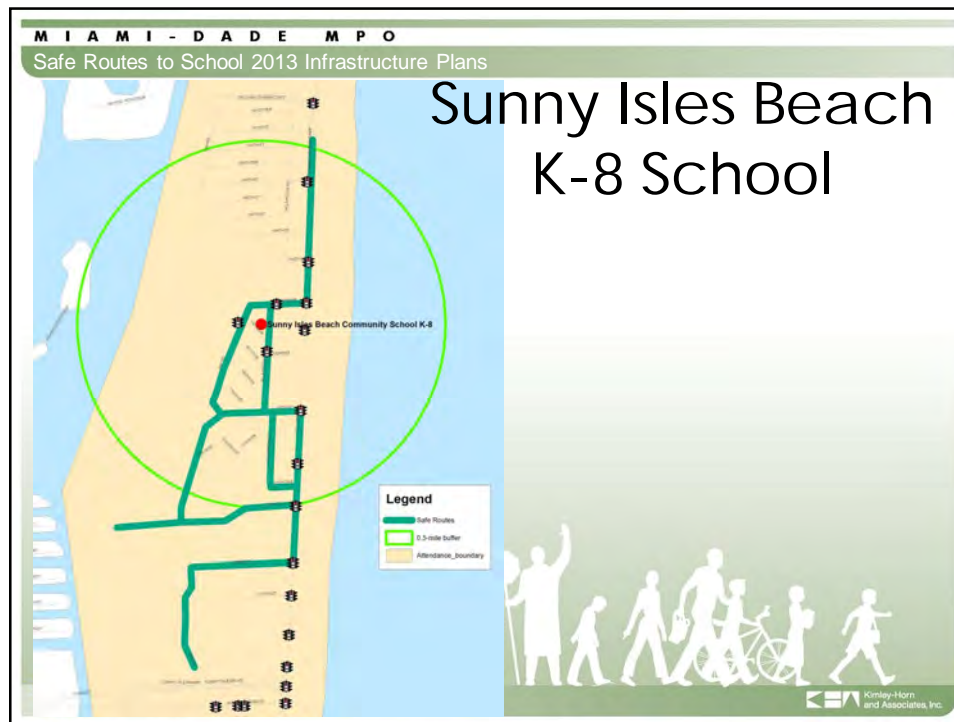
## Sunny Isles Beach K-8 Community School

- Typical improvements
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - Relocate school flashers
  - ADA facility upgrades
- Approximate cost - \$50,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

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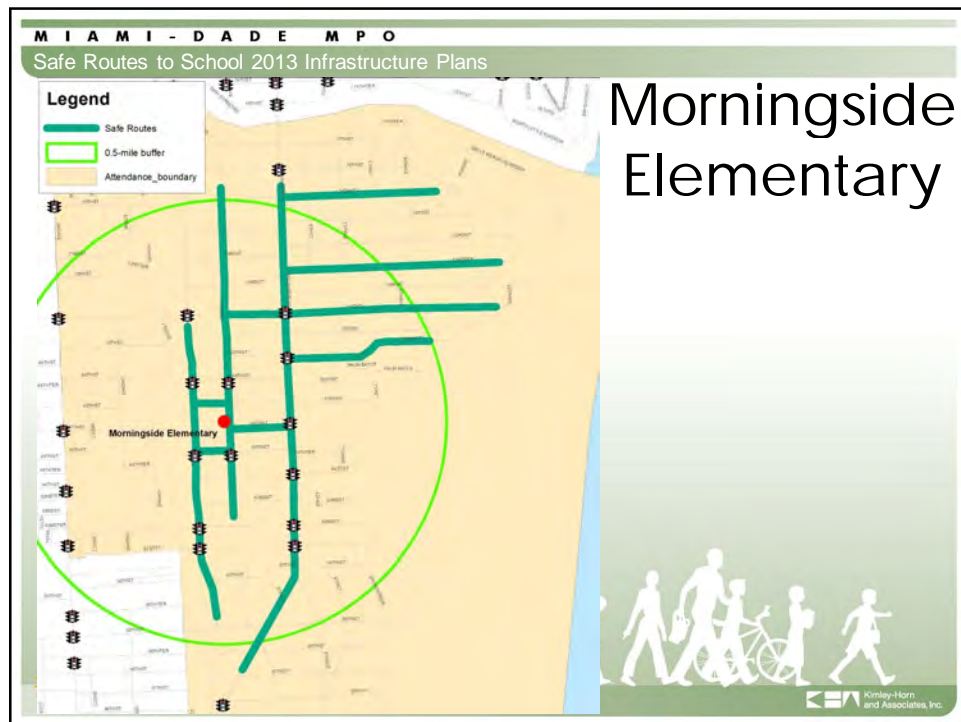
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## Morningside Elementary

- Typical improvements
  - Add/reconstruct sidewalks
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - ADA facility upgrades
- Approximate cost - \$40,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

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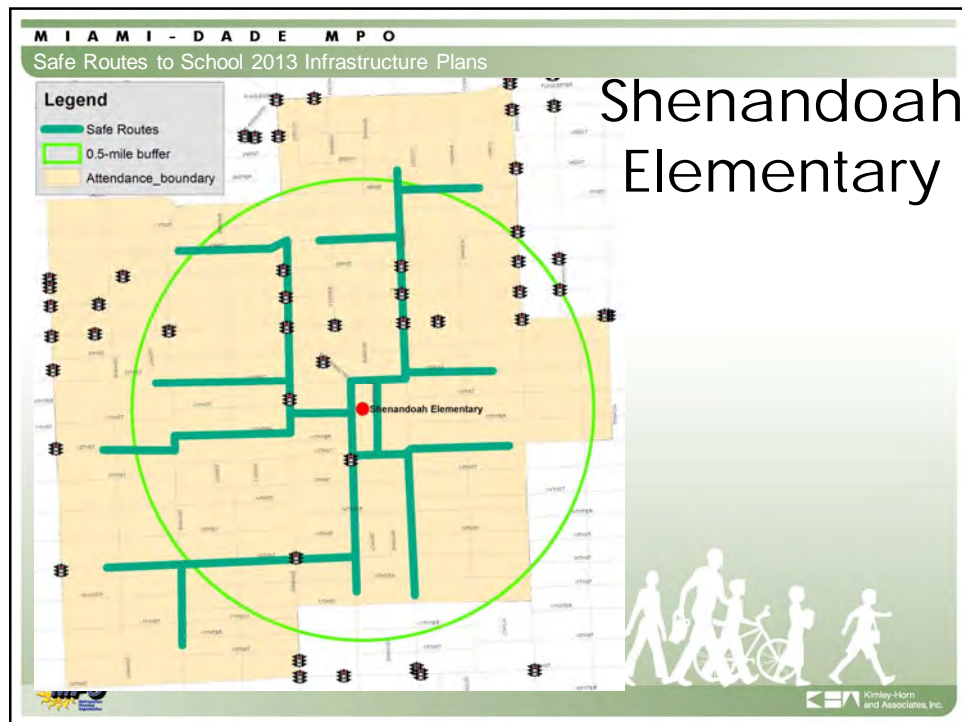
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## Shenandoah Elementary

- Typical improvements
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - Countdown signals
  - ADA facility upgrades
- Approximate cost - \$190,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

At the bottom left is the logo for Miami-Dade MPO, and at the bottom right is the logo for Kimley-Horn and Associates, Inc.



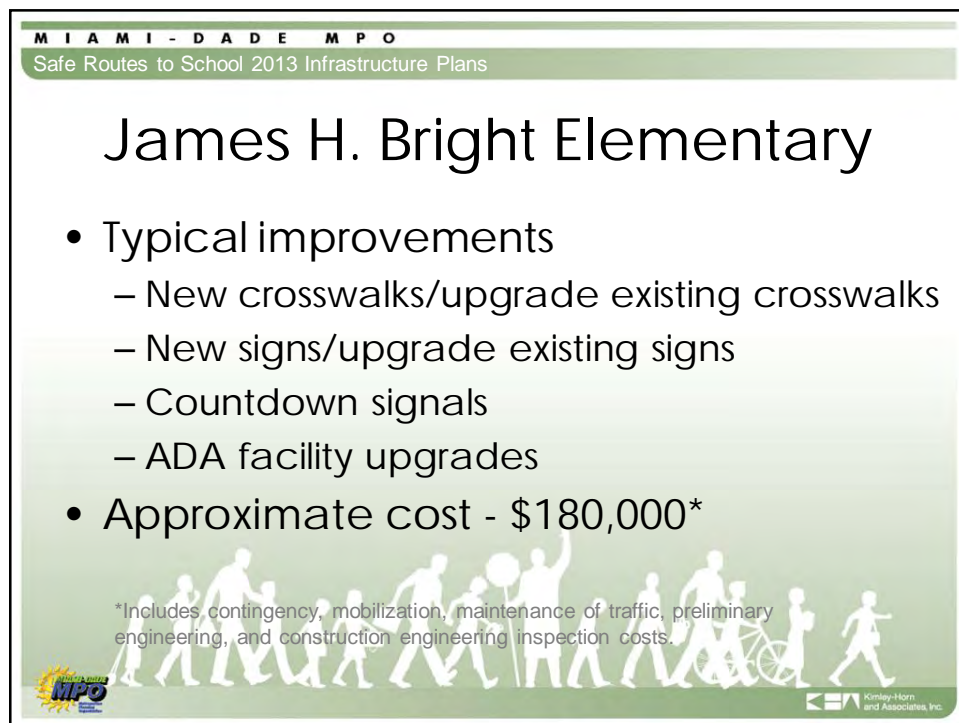
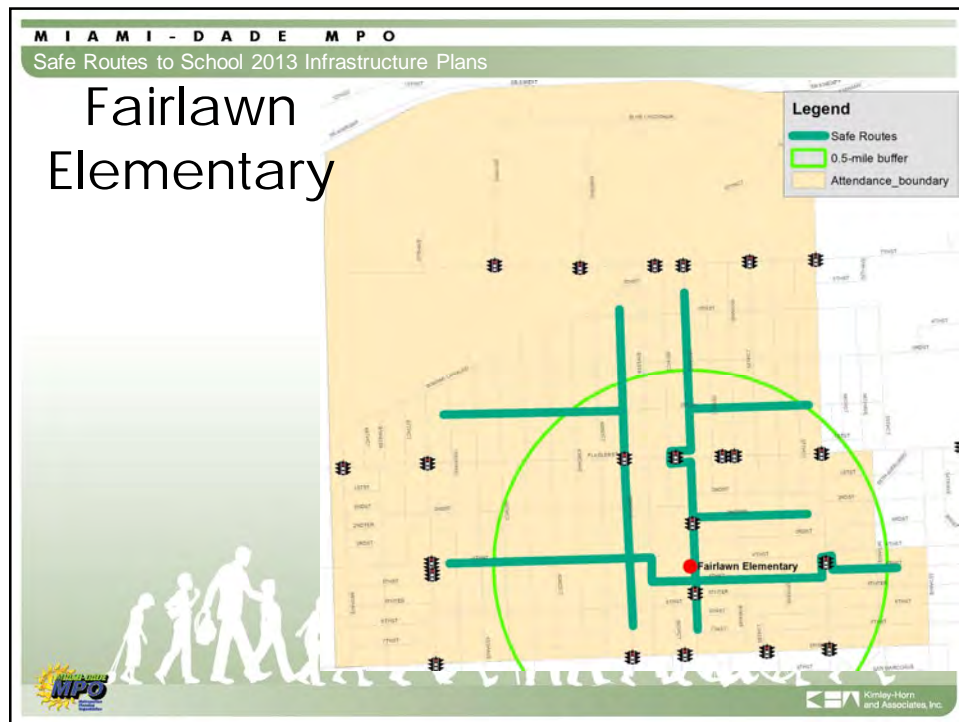
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## Fairlawn Elementary

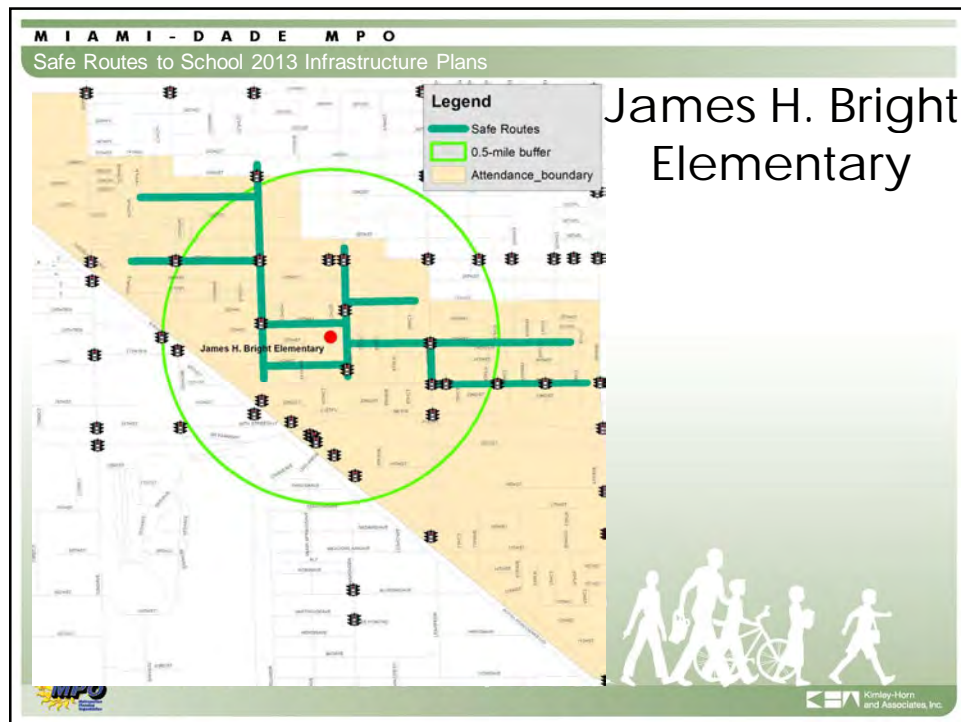
- Typical improvements
  - New sidewalks
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - Countdown signals
  - ADA facility upgrades
- Approximate cost - \$175,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

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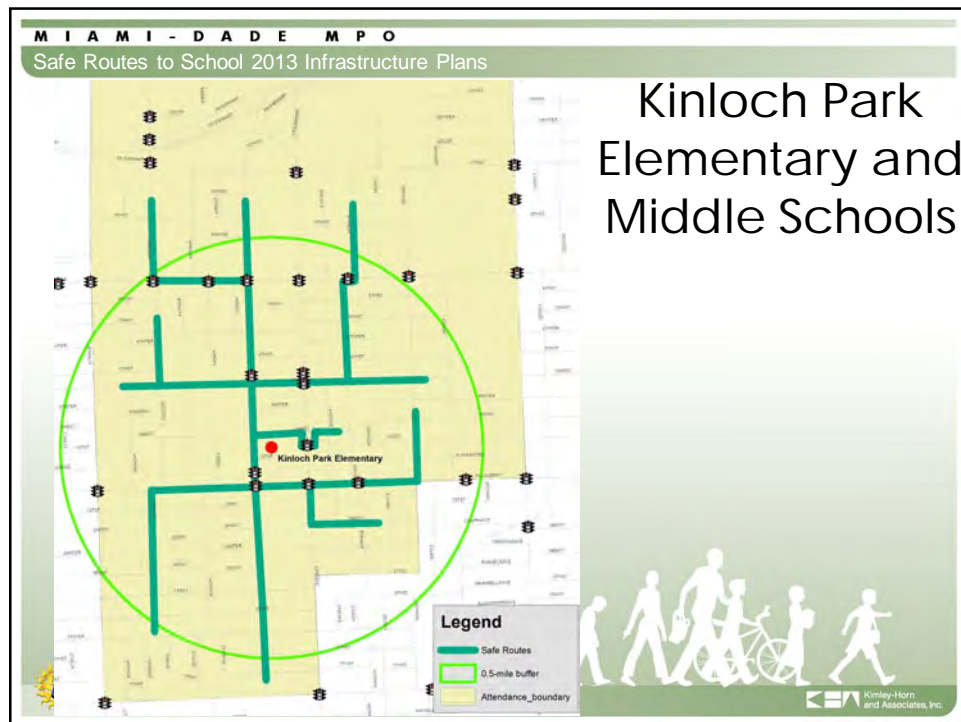
### Kinloch Park Elementary and Middle Schools

- Typical improvements
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - Countdown signals
  - ADA facility upgrades
- Approximate cost - \$170,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

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## Hialeah Gardens Elementary

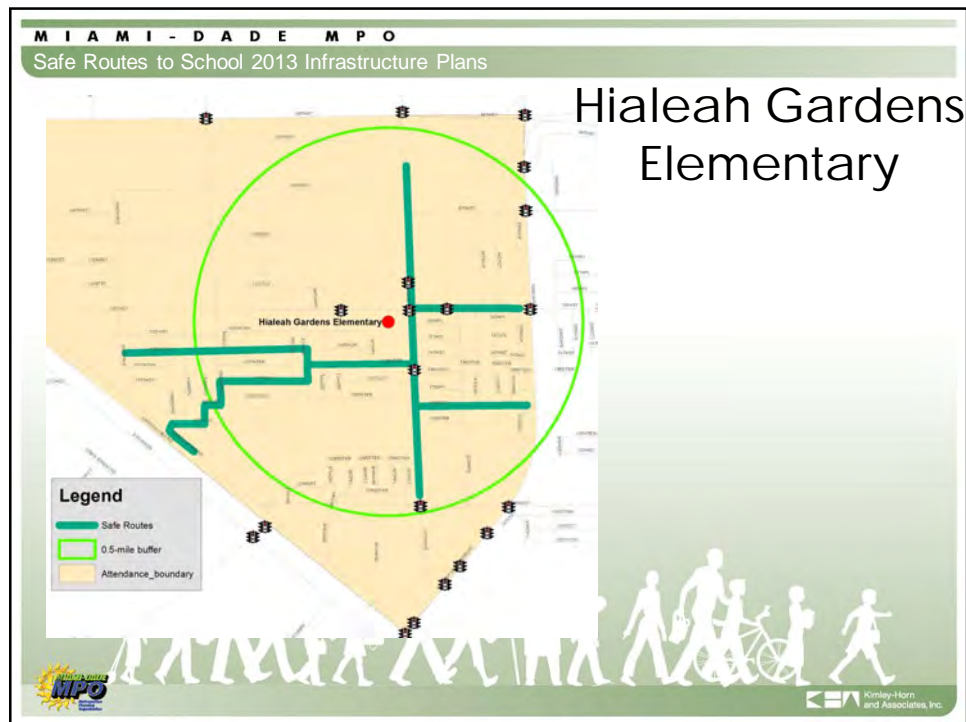
- Typical improvements
  - New sidewalks
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - ADA facility upgrades
- Approximate cost - \$160,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

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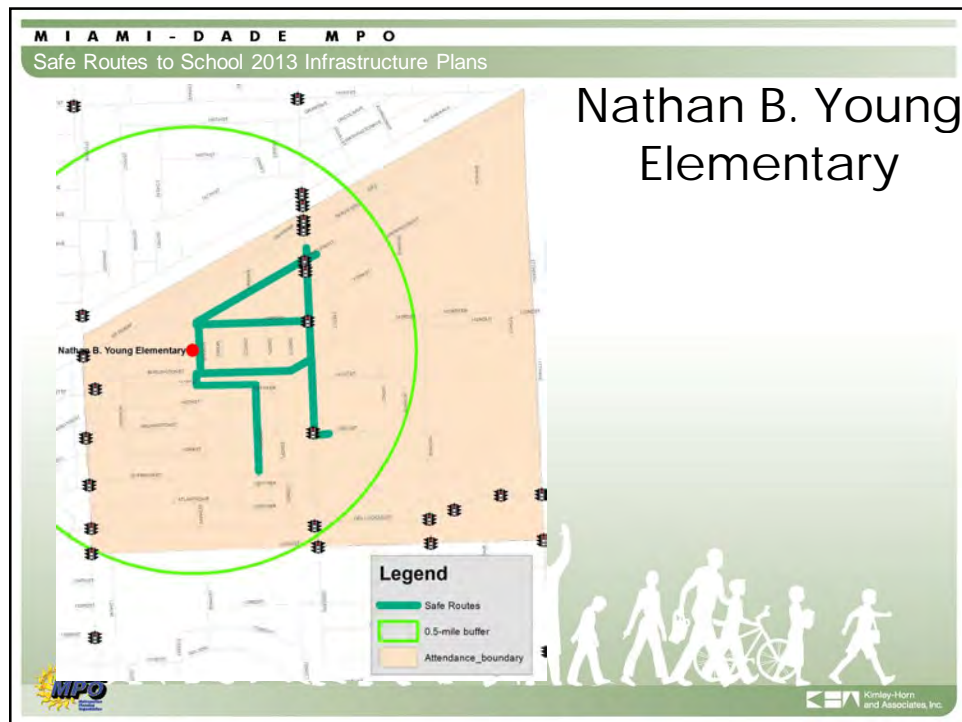
MIAMI - DADE MPO  
Safe Routes to School 2013 Infrastructure Plans

## Nathan B. Young Elementary

- Typical improvements
  - Establish school speed zone
  - New sidewalks
  - New crosswalks/upgrade existing crosswalks
  - New signs/upgrade existing signs
  - ADA facility upgrades
- Approximate cost - \$105,000\*

\*Includes contingency, mobilization, maintenance of traffic, preliminary engineering, and construction engineering inspection costs.

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Safe Routes to School 2013 Infrastructure Plans

## Next Steps

- Stakeholder agencies review draft recommendations.
- Refine SRTS plans.
- Prepare applications.

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## **APPENDIX C**

### **SRTS Maps and Cost Estimates**

# **Silver Bluff Elementary**



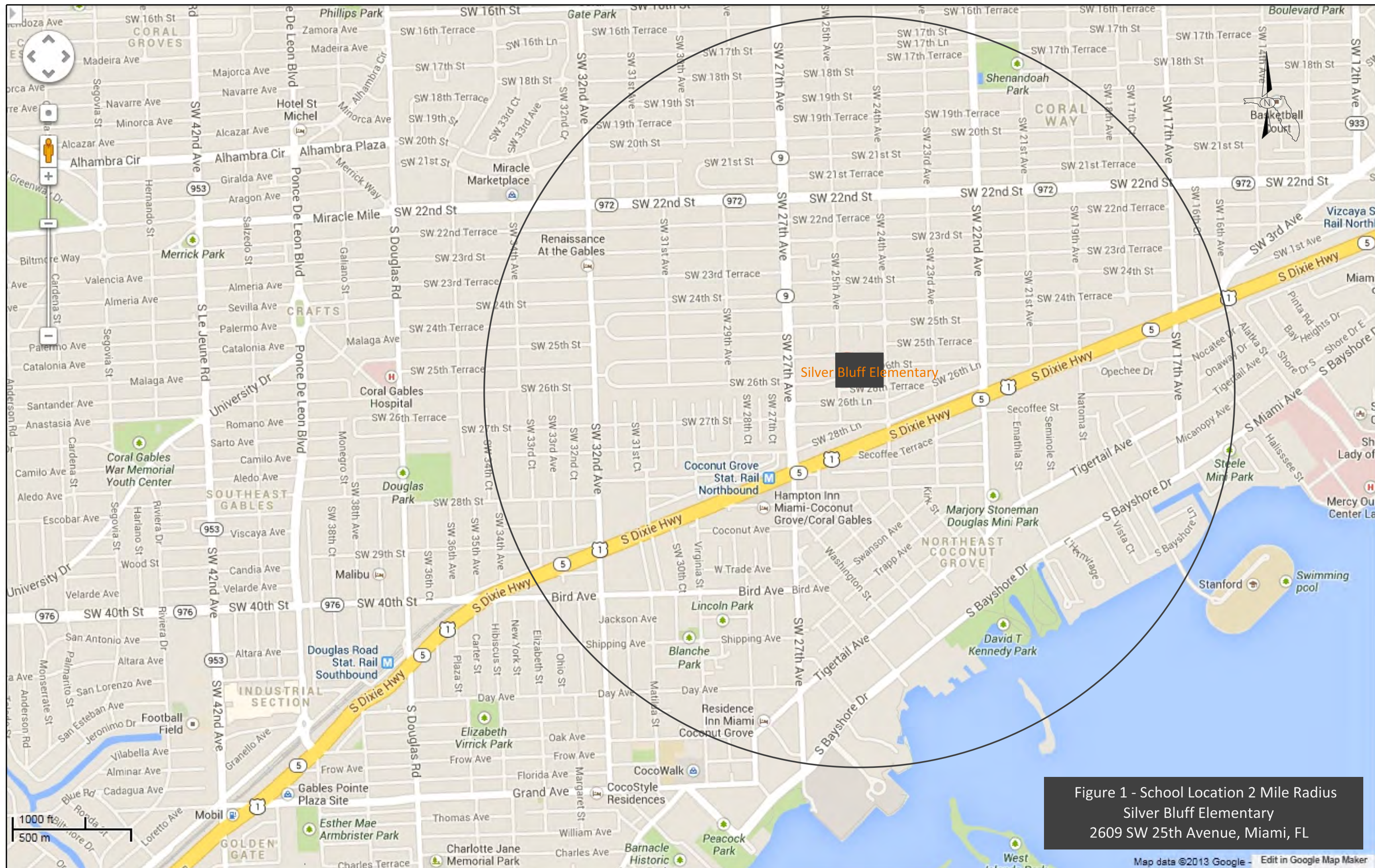


Figure 1 - School Location 2 Mile Radius  
Silver Bluff Elementary  
2609 SW 25th Avenue, Miami, FL



Figure 2: Silver Bluff Elementary School  
Attendance Area and Crash Data (2005-2011)





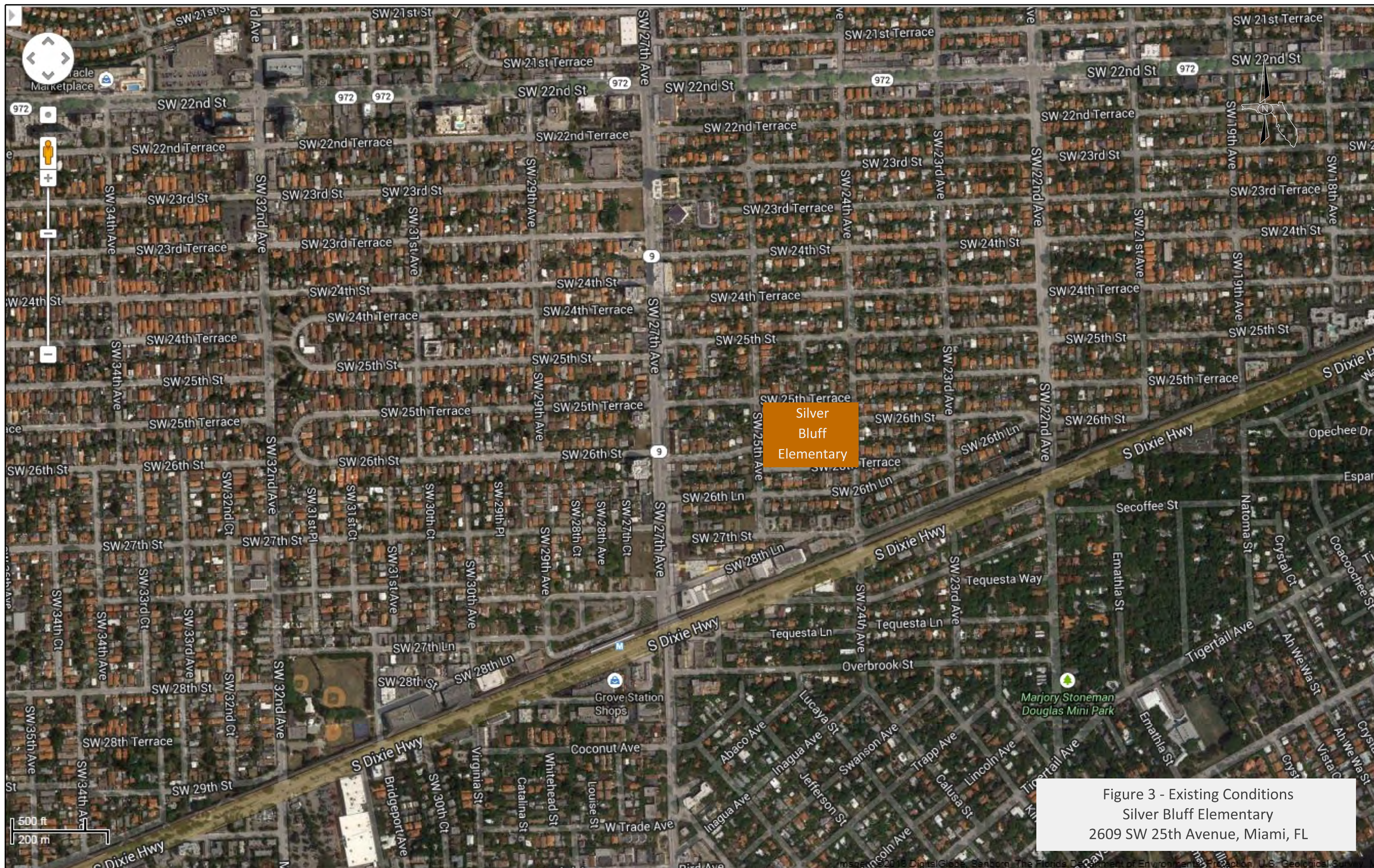
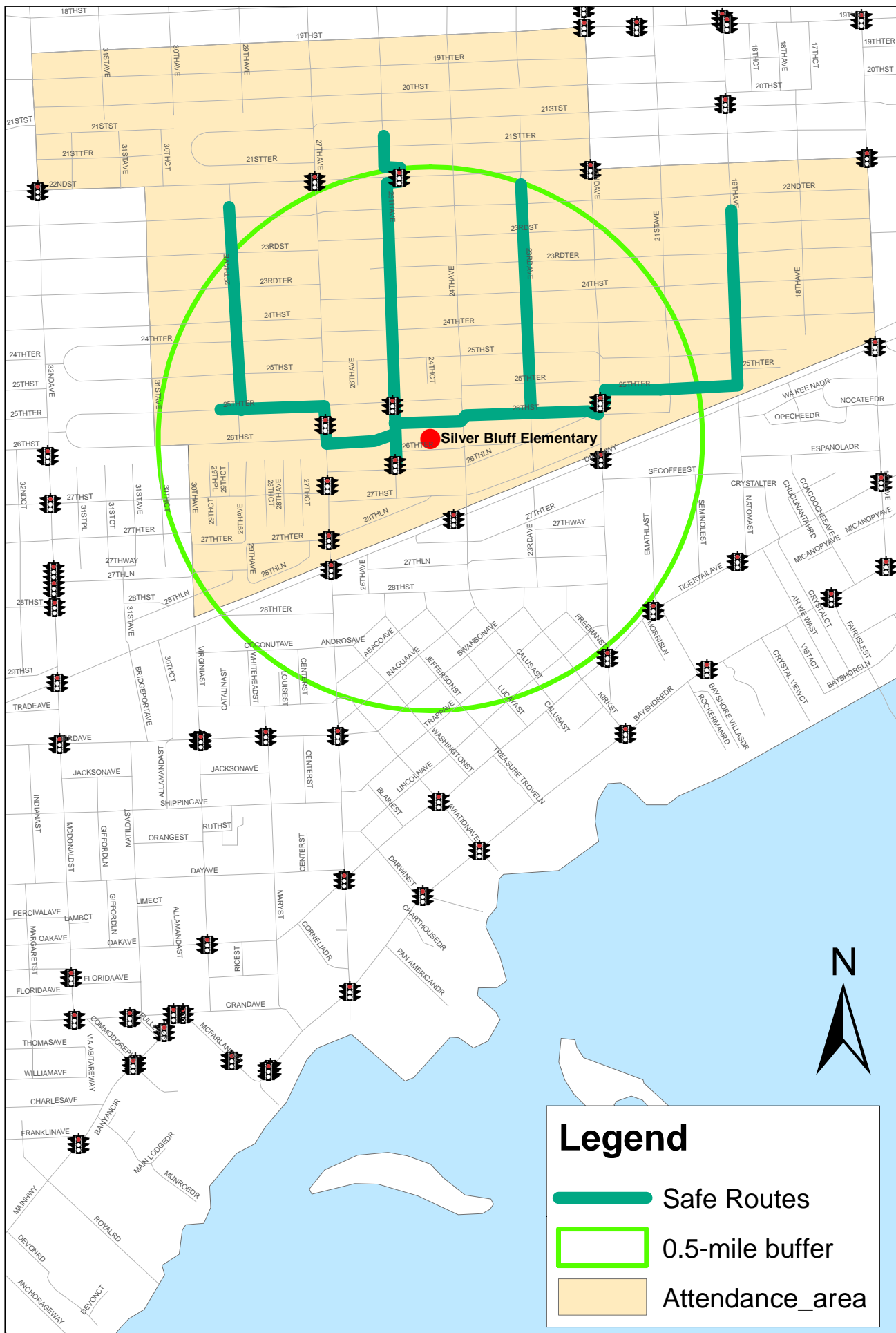


Figure 3 - Existing Conditions  
Silver Bluff Elementary  
2609 SW 25th Avenue, Miami, FL



# Figure 4: Silver Bluff Elementary School Safe Routes to School Plan



Silver Bluff Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 29th Avenue						
SW 25th Street	522-2	Construct concrete ramps on all 4 corners	24	\$40.01	SY	\$955.79
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the south and north legs	180	\$1.51	LF	\$271.80
SW 24th Terrace	522-2	Construct concrete ramps on all 4 corners	29	\$40.01	SY	\$1,155.84
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the east and west legs	120	\$1.51	LF	\$181.20
SW 24th Street	522-2	Construct concrete ramps on all 4 corners	16	\$40.01	SY	\$622.38
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on all 4 legs	240	\$1.51	LF	\$362.40
SW 23rd Terrace	522-2	Construct concrete ramps on the SE and SW corners	18	\$40.01	SY	\$733.52
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the west leg	60	\$1.51	LF	\$90.60
SW 23rd Street	711-11-123	Add a crosswalk on the west leg	80	\$1.51	LF	\$120.80
	522-2	Add concrete ramps on the SE and NE corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
SW 27th Avenue						
SW 27th Ave	Pedestrian Crossing south of SW 25th Terrace					
	110-4	Sidewalk removal on the east and west sides in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the east and west sides in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Replace detectable warning pads (embedded) on the east and west sides (2 pads)	2	\$423.55	EA	\$847.10
SW 25th Avenue						
SW 22nd Street	SW 22nd Street (Pedestrian Crossing east of SW 25th Ave)					
	700-48-58	Replace advance school crossing signs with fluorescent signs in EB and WB directions (2 signs)	2	\$249.38	EA	\$498.76
	700-48-18	Add a fluorescent school crossing sign on the south side	1	\$407.16	EA	\$407.16
	690-20	Remove existing pedestrian signal heads (2 signal heads)	2	\$50.96	EA	\$101.92
	653-191	Install countdown signal heads (2 signal heads)	2	\$733.83	AS	\$1,467.66
	665-11	Install push buttons and pedestrian actuation/educational signs	2	\$169.82	EA	\$339.64
SW 22nd Terrace	711-11-123	Install crosswalks on the east and west legs	224	\$1.51	LF	\$338.24
SW 23rd Street	700-48-58	Replace school crossing signs with fluorescent signs on the north, south, and west legs (6 signs)	6	\$249.38	EA	\$1,496.28
	700-20-11	Install school crossing signs on the east leg (2 signs)	2	\$275.90	AS	\$551.80
		Trim bushes on the SE corner (along sidewalk - maintenance)	Maintenance			
SW 23rd Terrace	711-11-123	Install crosswalks on the east and west legs	168	\$1.51	LF	\$253.68
SW 24th Street	711-11-123	Install crosswalks on the east and west legs	232	\$1.51	LF	\$350.32
SW 24th Terrace	700-48-58	Replace school crossing signs with fluorescent signs on the north and west legs (4 signs)	4	\$249.38	EA	\$997.52
	700-20-11	Install fluorescent school crossing signs on the east and south legs (4 signs)	4	\$275.90	AS	\$1,103.60
SW 25th Street	711-11-123	Install crosswalks on the east and west legs	216	\$1.51	LF	\$326.16
SW 25th Terrace	711-11-123	Install crosswalks on the east and west legs	138	\$1.51	LF	\$208.38
	700-20-11	Install school crossing ahead signs on the EB and WB approaches	2	\$275.90	AS	\$551.80
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18

**Silver Bluff Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
SW 26th Street	711-12-123, 711-11-125	Replace existing crosswalks with ladder crosswalks on the east and west legs	85	\$9.19	LF	\$781.15
	700-20-11	Install school crossing ahead sign on WB approach	1	\$275.90	AS	\$275.90
	700-48-58	Replace school crossing signs with fluorescent sign on the south leg (3 signs)	3	\$249.38	EA	\$748.14
	700-20-60	Remove school crossing sign on the west leg (1 sign)	1	\$37.69	AS	\$37.69
	700-20-11	Install school crossing sign on the NW corner facing eastbound traffic	1	\$275.90	AS	\$275.90
	522-2	Install concrete ramps on the NE and NW corners	8	\$40.01	SY	\$333.42
	110-4	Sidewalk removal on the SW and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SW and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Install detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	110-4	Sidewalk removal on the east ramp in preparation for the placement of detectable warning pads (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the east ramp in preparation for the placement of detectable warning pads (embedded)	1	\$40.01	SY	\$44.46
	527-1	Install detectable warning pad (embedded) on the east ramp connecting on existing ladder crosswalk	1	\$423.55	EA	\$423.55
SW 26th Lane	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
<b>SW 23rd Avenue</b>						
SW 22nd Terrace	711-11-123	Install crosswalks on the east and west legs	230	\$1.51	LF	\$347.30
SW 23rd Street	522-2	Install concrete ramps on the SE and NE corners	6	\$40.01	SY	\$222.28
	110-4	Sidewalk removal on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Install detectable warning pads (embedded) on the SE, NE, and SW corners	3	\$423.55	EA	\$1,270.65
	711-11-123	Install crosswalks on the east and west legs	224	\$1.51	LF	\$338.24
SW 23rd Terrace	711-11-123	Install crosswalks on the east and west legs	224	\$1.51	LF	\$338.24
SW 24th Street	711-11-123	Install crosswalks on the east and west legs	224	\$1.51	LF	\$338.24
SW 24th Terrace	700-48-58	Replace school crossing signs with fluorescent sign on all 4 legs (4 signs)	4	\$249.38	EA	\$997.52
	700-20-11	Install fluorescent school crossing signs 4 legs (4 signs) to complement existing signs	4	\$275.90	AS	\$1,103.60
SW 25th Street	711-11-123	Install crosswalks on the east and west legs	230	\$1.51	LF	\$347.30
SW 25th Terrace	522-2	Install concrete ramps on all 4 corners	11	\$40.01	SY	\$444.56
	527-1	Install detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Install crosswalks on the east and west legs	220	\$1.51	LF	\$332.20
<b>SW 26th Street</b>						
SW 22nd Avenue	110-4	Sidewalk removal on the SW and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SW and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Install detectable warning pads (embedded) on the SW and NE corners	2	\$423.55	EA	\$847.10
SW 23rd Avenue	110-4	Sidewalk removal on the NE, SE, and SW corners in preparation for the placement of detectable warning pads (embedded)	3	\$24.84	SY	\$82.80
	522-2	Add concrete ramps on the NE, SE, and SW corners in preparation for the placement of detectable warning pads (embedded)	3	\$40.01	SY	\$133.37
	527-1	Install detectable warning pads (embedded) on the NE, SE, and SW corners	3	\$423.55	EA	\$1,270.65
	711-11-123, 711-11-125	Install ladder crosswalks on all 4 legs	210	\$8.63	LF	\$1,812.30
	700-20-11	Install school crossing signs facing northbound and southbound traffic (2 signs)	2	\$275.90	AS	\$551.80
	700-20-11	Install school crossing ahead signs on the northbound and southbound approaches before the intersection (2 signs)	2	\$275.90	AS	\$551.80
	700-48-58	Replace school crossing signs with fluorescent sign on all 4 legs (4 signs)	4	\$249.38	EA	\$997.52

Silver Bluff Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 24th Avenue (Peanut Roundabout)	711-12-123, 711-11-125	Replace existing crosswalks with ladder crosswalks on the north and south legs	50	\$9.19	LF	\$459.50
	700-20-11	Install fluorescent school crossing signs on all 4 legs (4 signs) to complement existing signs	4	\$275.90	AS	\$1,103.60
		Trim trees/bushes on the west side of SW 24th Avenue south of 26th Street (maintenance)	Maintenance			
Between SW 24th Avenue and SW 25th Avenue		Trim trees blocking ‘no parking’ signs on the north and side sides (maintenance)	Maintenance			
	700-48-58	Replace ‘school’ plaque on top of speed limit/time sign facing WB traffic with fluorescent sign	1	\$249.38	EA	\$249.38
	700-48-58	Replace ‘no stopping or standing’ sign on the north side near midblock crosswalk	1	\$249.38	EA	\$249.38
	700-48-58	Replace school crossing sign with fluorescent sign on the north side of midblock crosswalk	1	\$249.38	EA	\$249.38
	700-20-40	Relocate (to improve visibility) school crossing sign with fluorescent sign on the south side of midblock crosswalk	1	\$216.71	AS	\$216.71
	700-48-58	Replace school crossing sign with fluorescent sign on the south side of midblock crosswalk	1	\$249.38	EA	\$249.38
	522-2	Construct concrete ramps connecting to existing midblock crosswalk (north side: approx. 8 x 9 feet) (south side: approx. 15 x 9 feet)	23	\$40.01	SY	\$920.23
	527-1	Add detectable warning pads (embedded) connecting to existing midblock crosswalk	2	\$423.55	EA	\$847.10
	700-20-11	Install school crossing ahead signs on the eastbound and westbound approaches before midblock crosswalk (2 signs)	2	\$275.90	AS	\$551.80
	700-20-60	Remove crossing sign on the south side east of SW 25th Ave	1	\$37.69	AS	\$37.69
SW 22nd Avenue						
SW 22nd Avenue	Signalized pedestrian crossing between SW 25th Terrace and SW 26th Street					
	690-20	Remove existing pedestrian signal heads	2	\$50.96	EA	\$101.92
	653-191	Install countdown signal heads (2 signal heads)	2	\$733.83	AS	\$1,467.66
	665-11	Install push buttons and pedestrian actuation/educational signs	2	\$169.82	EA	\$339.64
	700-48-58	Replace school crossing signs with fluorescent signs facing NB and SB traffic (2 signs)	2	\$249.38	EA	\$498.76
SW 25th Terrace	110-4	Sidewalk removal on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the SE corner	1	\$423.55	EA	\$423.55
SW 21st Avenue						
SW 25th Terrace	522-2	Install a concrete ramp on the SE corner	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pad (embedded) on the SE corner	1	\$423.55	EA	\$423.55
	711-11-123	Install crosswalks on the north and south legs	140	\$1.51	LF	\$211.40
SW 19th Avenue						
SW 25th Terrace	522-2	Install a concrete ramp on the SW corner	7	\$40.01	SY	\$266.73
	110-4	Sidewalk removal on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Install detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Install a crosswalk on the west leg	60	\$1.51	LF	\$90.60
SW 25th Street	522-2	Install a concrete ramp on the SW and NW corners	12	\$40.01	SY	\$489.01
	527-1	Install detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Install a crosswalk on the west leg	80	\$1.51	LF	\$120.80
SW 24th Terrace	522-2	Install a concrete ramp on the SW and NW corners	8	\$40.01	SY	\$311.19
	527-1	Install detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Install a crosswalk on the west leg	90	\$1.51	LF	\$135.90
SW 24th Street (Roundabout)	522-2	Install concrete ramps on the west leg	9	\$40.01	SY	\$355.64
	527-1	Install detectable warning pads (embedded) on the west leg	2	\$423.55	EA	\$847.10
	711-11-123	Install a crosswalk on the west leg	60	\$1.51	LF	\$90.60

Silver Bluff Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 23rd Terrace	711-11-123	Install a crosswalk on the west leg	96	\$1.51	LF	\$144.96
SW 23rd Street	522-2	Install concrete ramps on the west leg	10	\$40.01	SY	\$400.10
	527-1	Install detectable warning pads (embedded) on the west leg	2	\$423.55	EA	\$847.10
	711-11-123	Install a crosswalk on the west leg	50	\$1.51	LF	\$75.50
Construction Cost						\$57,631.54
Maintenance of Traffic (10%)						\$5,763.15
Mobilization (10%)						\$5,763.15
Sub Total						\$69,157.85
Contingency (15%)						\$10,373.68
Total Construction Cost						\$79,531.53
PE (15%)						\$11,929.73
CEI (15%)						\$11,929.73
Grand Total						\$103,390.98



## **Citrus Grove Elementary**



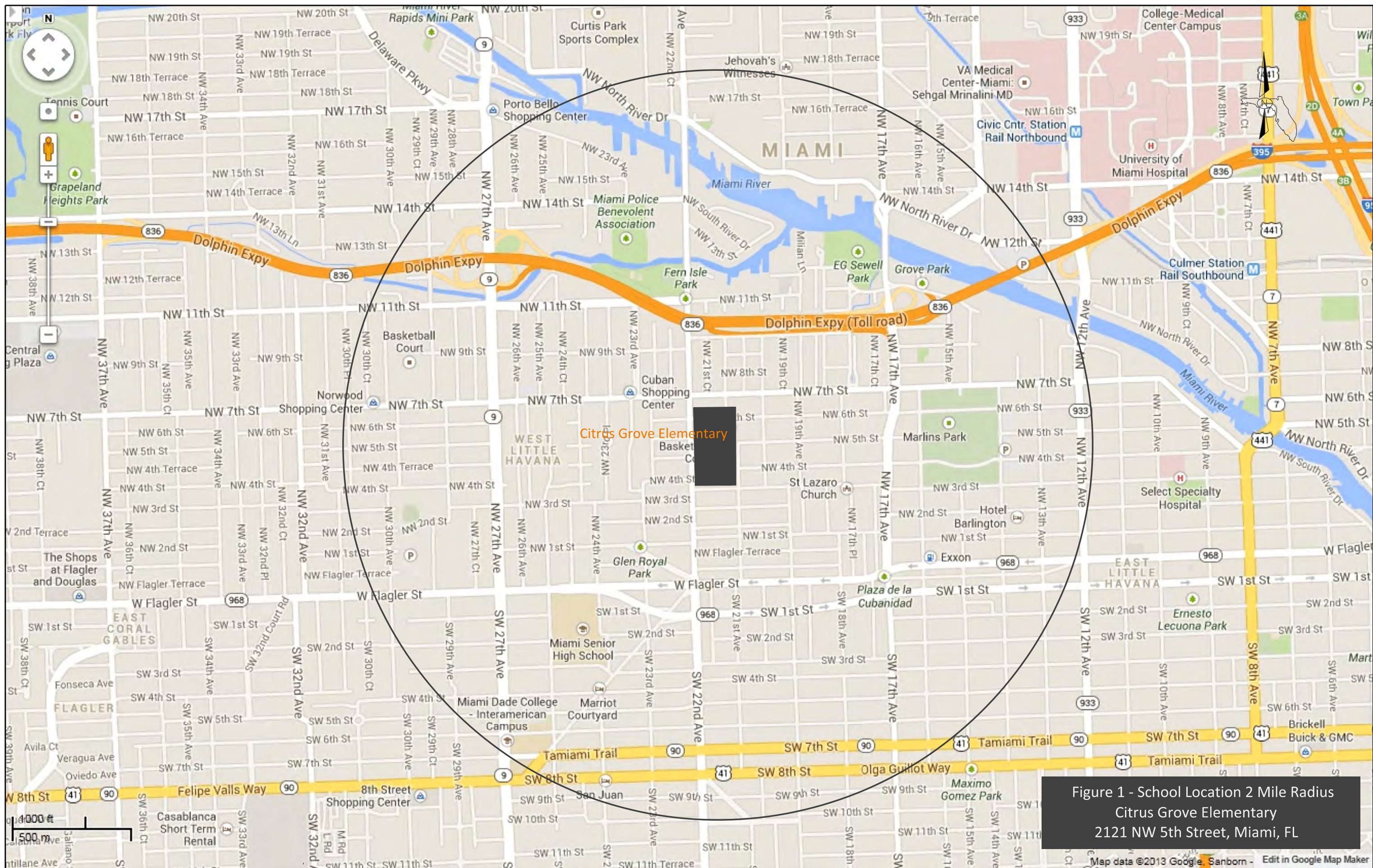
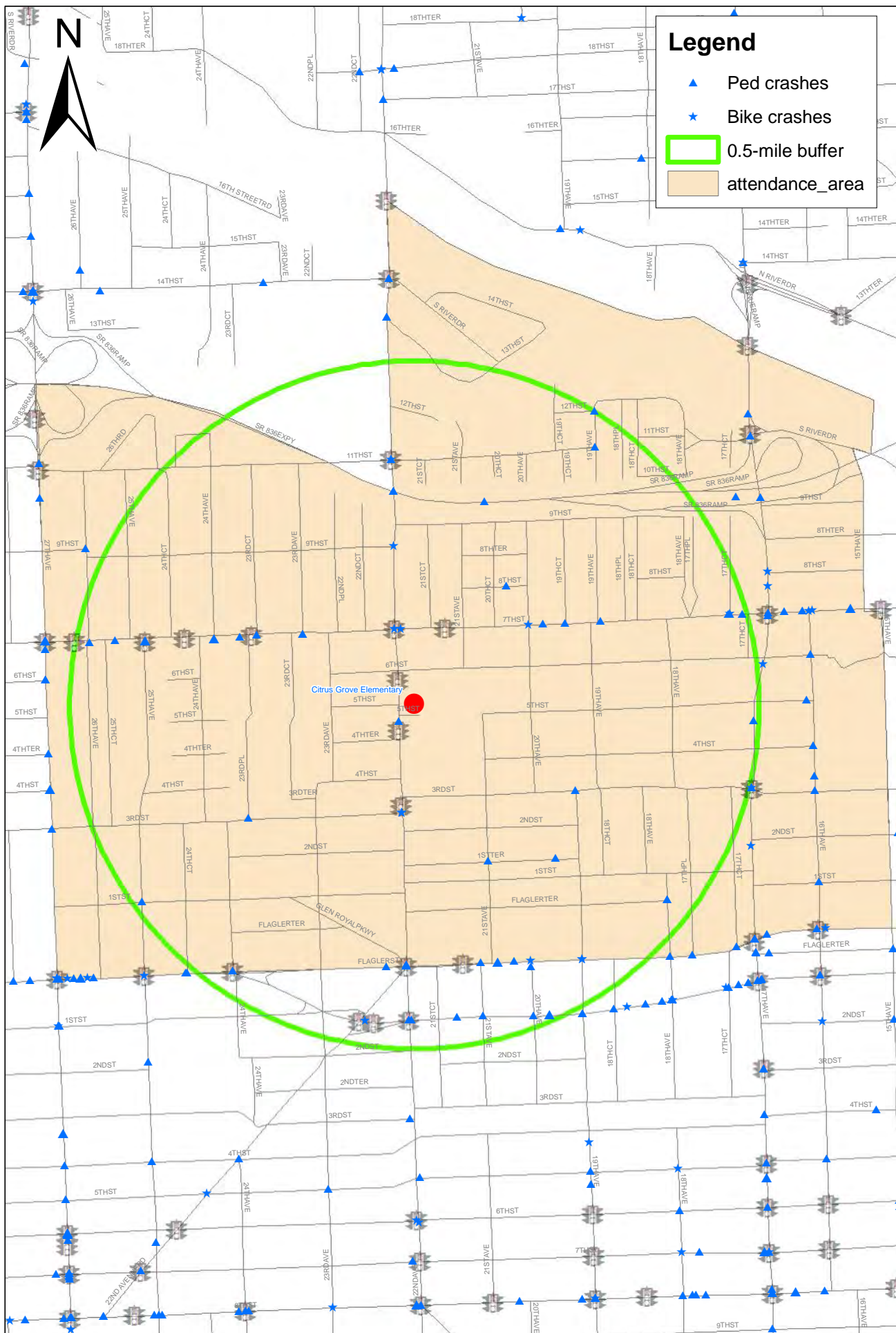


Figure 1 - School Location 2 Mile Radius  
Citrus Grove Elementary  
2121 NW 5th Street, Miami, FL



Figure 2: Citrus Grove Elementary School  
Attendance Area and Crash Data (2005-2011)





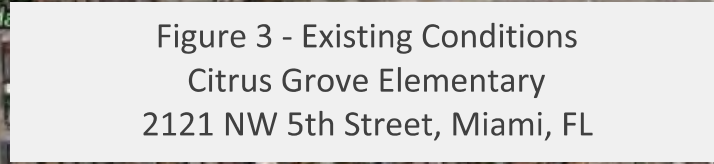
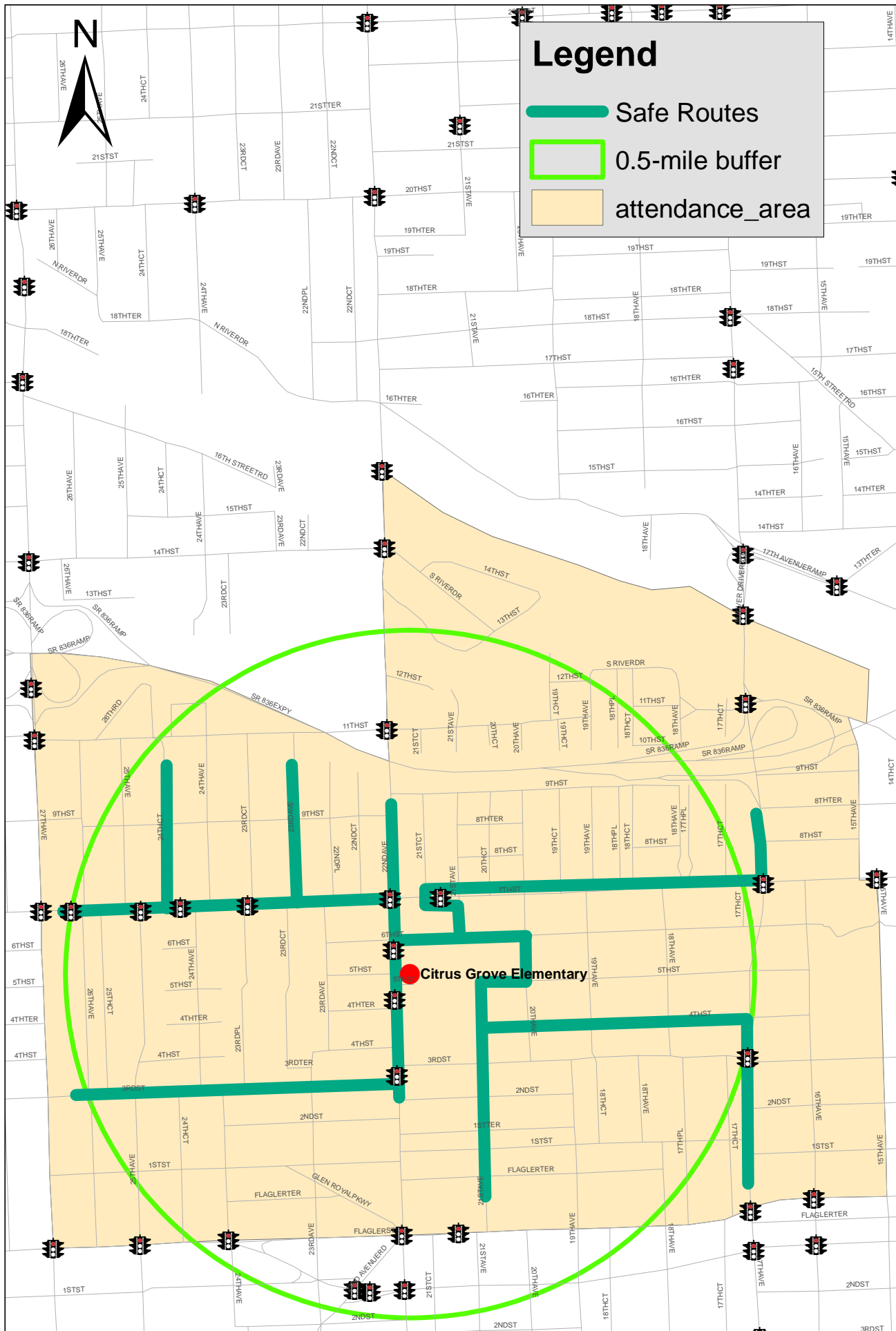




Figure 4: Citrus Grove Elementary School  
Safe Routes to School Plan





Citrus Grove Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW/SW 22nd Avenue						
NW 7th Street	711-12-123, 711-11-125	Add ladder crosswalks to existing crosswalks on all 4 legs	260	\$9.19	LF	\$2,389.40
	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the NE corner	1	\$423.55	EA	\$423.55
	690-20	Remove existing pedestrian signal heads on the north, west, and east legs	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads on the north, west, and east legs	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs on the north, west, and east legs	8	\$169.82	EA	\$1,358.56
NW 6th Street	110-4	Remove concrete sidewalk on the SW corner	6	\$24.84	SY	\$138.00
	522-2	Add concrete ramp on the SW corner	6	\$40.01	SY	\$222.28
	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the SW and NE corners	2	\$423.55	EA	\$847.10
Between NW 6th Street and NW 5th Street	700-48-58	Replace “School” plaque on school speed limit assembly on the west side	1	\$249.38	EA	\$249.38
	700-90-32, 700-90-12	Reinstall school zone flasher (concrete pole and overhead signal heads) facing NB and SB traffic (damaged by accident)	1	\$9,475.88	AS	\$9,475.88
	700-48-60	Remove existing sign panels on multipost assembly (2 signs on each assembly)	4	\$113.59	EA	\$454.36
	700-48-18	Install sign panel (S5-1) on multipost assemblies stating "school zone 15 mph when flashing" (1 sign on each assembly)	2	\$407.16	EA	\$814.32
NW 5th Street	110-4	Sidewalk removal on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the NW corner	1	\$423.55	EA	\$423.55
North and South of NW 5th Street	700-48-58	Replace the “school” plaques on the school speed limit assembly (on the east side) facing northbound traffic	2	\$249.38	EA	\$498.76
	Pedestrian Crossing					
	700-48-58	Replace school crossing sign at crossing with fluorescent sign on east and west sides (2 signs)	2	\$249.38	EA	\$498.76
	690-20	Remove existing pedestrian signal heads	2	\$50.96	EA	\$101.92
	653-191	Install countdown signal heads	2	\$733.83	AS	\$1,467.66
	665-11	Install push buttons and pedestrian actuation/educational signs	2	\$169.82	EA	\$339.64
	700-48-58	Replace pedestrian actuation signs (use appropriate R10-3 series sign from current MUTCD)	2	\$249.38	EA	\$498.76
NW 4th Terrace	110-4	Sidewalk removal on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the SW corner	1	\$423.55	EA	\$423.55
	711-12-123, 711-11-125	Add ladder crosswalks on the east and west legs	79	\$9.19	LF	\$726.01
	700-48-58	Replace existing school crossing sign on the SE corner with fluorescent advance school crossing sign	1	\$249.38	EA	\$249.38
	700-48-58	Replace “School” plaque on school speed limit assembly on the SW corner – 1 plaque	1	\$249.38	EA	\$249.38
NW 4th Street	110-4	Remove concrete sidewalk on the NW and SW corners	13	\$24.84	SY	\$331.20
	522-2	Add concrete ramps on the NW and SW corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the west leg	86	\$1.51	LF	\$129.86
South of NW 4th Street	700-48-58	Replace “school” plaque on school speed limit assembly (mounted on concrete strain pole on the east side)	1	\$249.38	EA	\$249.38
		Trim tree on the west side that blocks the view of flashers facing southbound traffic (maintenance)	Maintenance			
NW 3rd Street	110-4	Sidewalk removal on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	110-4	Remove concrete sidewalk on the SE corner	7	\$24.84	SY	\$165.60
	522-2	Install concrete ramp on the SE corner	7	\$40.01	SY	\$266.73

Citrus Grove Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	527-1	Add detectable warning pad (embedded) on the NW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123, 711-11-125	Add ladder type crosswalk on the west leg	37	\$8.63	LF	\$319.31
North of NW 3rd Street	700-48-58	Replace ‘School’ plaque on school speed limit assembly sign	1	\$249.38	EA	\$249.38
NW 2nd Street	110-4	Remove concrete sidewalk on the NE corner	7	\$24.84	SY	\$165.60
	522-2	Install concrete ramp on the NE corner	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pad (embedded) on the NE corner	1	\$423.55	EA	\$423.55
	711-11-123	Add crosswalk on the east and west legs	180	\$1.51	LF	\$271.80
	700-48-58	Replace school crossing sign on the SE corner with fluorescent sign	1	\$249.38	EA	\$249.38
NW 3rd Street						
NW 26th Avenue	110-4	Sidewalk removal on the NE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Replace detectable warning pads (embedded) on NE and SW corners	2	\$423.55	EA	\$847.10
NW 25th Avenue	110-4	Sidewalk removal on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Replace detectable warning pad (embedded) on SW corner	1	\$423.55	EA	\$423.55
NW 24th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Replace detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
NW 23rd Place	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Replace detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
NW 23rd Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Replace detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
East of NW 20th Avenue	700-48-58	Replace school crossing + speed zone ahead combination sign with School Speed Limit Ahead (S4-5) sign	1	\$249.38	EA	\$249.38
West of NW 20th Avenue	700-48-58	Replace school crossing + speed zone ahead combination sign with School Speed Limit Ahead (S4-5) sign	1	\$249.38	EA	\$249.38
NW 21st Avenue						
Flagler Terrace	110-4	Remove concrete sidewalk on all four corners	27	\$24.84	SY	\$662.40
	522-2	Install concrete ramp all four corners	27	\$40.01	SY	\$1,066.93
	527-1	Add detectable warning pad (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalk on the east and west legs	180	\$1.51	LF	\$271.80
NW 1st Street	110-4	Remove concrete sidewalk on the SE and SW corners	13	\$24.84	SY	\$331.20
	522-2	Add concrete ramps on the SE and SW corners	13	\$40.01	SY	\$533.47
	110-4	Sidewalk removal on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the SE, SW and NW corners	3	\$423.55	EA	\$1,270.65
South of NW 2nd Street	700-48-58	Replace school crossing + speed zone ahead combination sign with School Speed Limit Ahead (S4-5) sign	1	\$249.38	EA	\$249.38
North of 3rd Street	700-48-58	Replace ‘school’ plaque on the school speed assembly facing NB traffic with fluorescent plaque	1	\$249.38	EA	\$249.38
NW 4th Street	110-4	Remove concrete sidewalk on the NW corner	7	\$24.84	SY	\$165.60
	522-2	Add concrete ramp on the NW corner	7	\$40.01	SY	\$266.73
	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NW, NE and SE corners	3	\$423.55	EA	\$1,270.65

Citrus Grove Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	700-48-58	Replace ‘school’ plaque with fluorescent plaque on school speed limit assembly (on the east leg facing eastbound traffic)	1	\$249.38	EA	\$249.38
	700-48-58	Replace ‘school’ plaque with fluorescent plaque on school speed limit assembly (on the north leg facing northbound traffic)	1	\$249.38	EA	\$249.38
		Trim tree on the east side north of NW 4th Street (maintenance)	Maintenance			
NW 5th Street	700-48-58	Replace ‘school’ plaque on school speed limit assembly on the east side of south leg	1	\$249.38	EA	\$249.38
	700-21-60	Note: School speed limit assembly on the west side of NW 21st Avenue south of NW 5th Street blocks the sidewalk. Consider removing.	1	\$620.69	AS	\$620.69
	700-48-58	Replace school crossing sign on NE corner of 5th street with fluorescent crossing sign	1	\$249.38	EA	\$249.38
	700-48-18	Add W16-6P plaque to school crossing sign on NE corner of 5th Street	1	\$407.16	EA	\$407.16
		Trim tree on the north side of 5th Street that blocks view of school crossing sign (maintenance)	Maintenance			
	522-2	Expand existing ‘curb extension’ on the north side at the curve approx. 10 feet eastwardly	7	\$40.01	SY	\$266.73
	700-21-11	Install a new school speed limit assembly facing WB traffic (on the new curb extension)	1	\$3,450.40	AS	\$3,450.40
	700-21-60	Remove existing school speed limit assembly (existing sign blocks the sidewalk) facing WB traffic	1	\$620.69	AS	\$620.69
	700-48-58	Replace ‘End School Zone’ sign on the south side of the east leg	1	\$249.38	EA	\$249.38
	700-48-58	Replace school crossing ahead sign on north side of east leg with fluorescent sign	1	\$249.38	EA	\$249.38
	700-48-18	Install School Speed Limit Ahead sign (S4-5) west of NW 20 Avenue facing westbound traffic	1	\$407.16	EA	\$407.16
NW 4th Street						
NW 18th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalk on the north and south legs	168	\$1.51	LF	\$253.68
NW 19th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalk on the north and south legs	168	\$1.51	LF	\$253.68
NW 20th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-12-123	Restripe crosswalks on north and south legs	140	\$1.79	LF	\$250.60
West of 20th Avenue	700-48-58	Replace ‘School’ plaque (with fluorescent plaque) on School Speed Limit assembly facing westbound traffic	1	\$249.38	EA	\$249.38
NW 7th Street						
NW 25th Avenue	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on the NE and SE corners (2 ramps at each corner)	4	\$423.55	EA	\$1,694.20
NW 24th Court	110-4	Remove concrete sidewalk on the NW and NE corners	10	\$24.84	SY	\$248.40
	522-2	Add concrete ramps on NW and NE corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on NW and NE corners	2	\$423.55	EA	\$847.10
	711-12-123	Restripe crosswalk on the north leg	80	\$1.79	LF	\$143.20
NW 24th Avenue	110-4	Remove concrete sidewalk on the NW and SW corners	13	\$24.84	SY	\$331.20
	522-2	Add concrete ramps on NW and SW corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on NW and SW corners	2	\$423.55	EA	\$847.10
	711-12-123	Restripe crosswalk on the north leg	80	\$1.79	LF	\$143.20
NW 23rd Place	110-4	Remove concrete sidewalk on the SE corner	7	\$24.84	SY	\$165.60
	522-2	Add concrete ramp on SE corner	7	\$40.01	SY	\$266.73
	110-4	Sidewalk removal on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60

Citrus Grove Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	522-2	Add concrete ramp on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on SW and SE corners	2	\$423.55	EA	\$847.10
Pedestrian Crossing between NW 23rd Ct and NW 23rd Ave	700-48-58	Replace school crossing signs on the north and south sides (2 signs)	4	\$249.38	EA	\$997.52
	110-4	Sidewalk removal on the south side in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the south side in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the south side	1	\$423.55	EA	\$423.55
	711-12-123, 711-11-125	Replace existing crosswalk with ladder crosswalk	57	\$9.19	LF	\$523.83
NW 23rd Court	110-4	Sidewalk removal on the SW and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SW and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
NW 23rd Avenue	711-12-123	Restripe crosswalk on the north leg	170	\$1.79	LF	\$304.30
	110-4	Remove concrete sidewalk on the SW corner	7	\$24.84	SY	\$165.60
	522-2	Add concrete ramp on SW corner	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pad (embeded) on SW corner	1	\$423.55	EA	\$423.55
NW 22nd Place	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-12-123	Restripe crosswalk on the north side	72	\$1.79	LF	\$128.88
NW 22nd Court	110-4	Remove concrete sidewalk on the NW corner	7	\$24.84	SY	\$165.60
	522-2	Add concrete ramp on NW corner	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pad (embedded) on NW corner	1	\$423.55	EA	\$423.55
NW 22nd Avenue	700-20-11	Install fluorescent school crossing signs for crosswalks on the east and west legs (signs on both ends of the crosswalks)	4	\$275.90	AS	\$1,103.60
	700-48-58	Replace school crossing sign on the SE corner facing NB with fluorescent sign	1	\$249.38	EA	\$249.38
Pedestrian Crossing between 21st Court and 21st Avenue	700-48-58	Replace school crossing sign on the north side with fluorescent sign	1	\$249.38	EA	\$249.38
	700-20-11	Add school crossing sign on the south side facing eastbound traffic	1	\$275.90	AS	\$275.90
NW 21st Avenue	711-12-123	Restripe crosswalks on the north and south sides	164	\$1.79	LF	\$293.56
	110-4	Remove concrete sidewalk on the NW corner	7	\$24.84	SY	\$165.60
	522-2	Add concrete ramp on NW corner	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pad (embedded) on NW corner	1	\$423.55	EA	\$423.55
NW 20th Court	711-12-123	Restripe crosswalk on the north leg	84	\$1.79	LF	\$150.36
NW 20th Avenue	711-12-123	Restripe crosswalks on the north and south legs	84	\$1.79	LF	\$150.36
NW 19th Avenue	711-12-123	Add crosswalk on the north leg	86	\$1.79	LF	\$153.94
	711-12-123	Restripe crosswalk on the south leg	72	\$1.79	LF	\$128.88
	110-4	Remove concrete sidewalk on the SW corner	7	\$24.84	SY	\$165.60
	522-2	Add concrete ramp on the SW corner (drainage inlet)	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pad (embedded) on the SW corner (drainage inlet)	1	\$423.55	EA	\$423.55
NW 18th Place	711-12-123	Restripe crosswalk on the north leg	80	\$1.79	LF	\$143.20
NW 18th Avenue	711-12-123	Restripe crosswalk on the north leg	68	\$1.79	LF	\$121.72
NW 17th Place	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the NE corner	1	\$423.55	EA	\$423.55
NW 17th Court	711-12-123	Restripe crosswalk on the north leg	80	\$1.79	LF	\$143.20
NW 17th Avenue	711-12-123, 711-11-125	Replace crosswalk for ladder crosswalks for all four legs	319	\$9.19	LF	\$2,931.61



Citrus Grove Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 24th Court						
NW 9th Street	522-2	Add concrete ramps on the SE, NE, and NW corners	16	\$40.01	SY	\$644.61
	527-1	Add detectable warning pads (embedded) on the SE, NE, and NW corners	3	\$423.55	EA	\$1,270.65
	711-11-123	Add crosswalks on the east and north legs	86	\$1.51	LF	\$129.86
	700-20-11	Add School Crossing signs on the SE and NE corners	2	\$275.90	AS	\$551.80
	700-20-11	Add School Crossing Ahead signs east and west of NW 24th Avenue	2	\$275.90	AS	\$551.80
NW 23rd Avenue						
NW 9th Street	711-11-123	Add crosswalks on east and west legs	138	\$1.51	LF	\$208.38
NW 17th Avenue						
NW 3rd Street	711-11-123	Add crosswalks on the north side	180	\$1.51	LF	\$271.80
	522-2	Add concrete ramps on the NW and NE corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the NW and NE corners	2	\$423.55	EA	\$847.10
NW 2nd Street	110-4	Remove concrete sidewalk on the NE and SE corners	13	\$24.84	SY	\$331.20
	522-2	Add concrete ramps on the NE and SE corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	100	\$1.51	LF	\$151.00
NW 1st Street	711-12-123	Restripe crosswalk on the east and west legs	158	\$1.51	LF	\$238.58
NW 6th Street						
Between 22nd and 21st Avenue	700-20-11	Replace school crossing ahead sign on the south side facing EB with fluorescent sign	1	\$275.90	AS	\$275.90
	700-48-58	Replace three “School” plaques (with fluorescent plaque) on school speed limit assemblies on the north and south sides	3	\$249.38	EA	\$748.14
NW 21st Avenue	700-20-11	Replace school crossing signs on the west leg with fluorescent signs	1	\$275.90	AS	\$275.90
Between 21st and 20th Avenue	700-20-11	Replace school crossing ahead sign on the north side facing WB with fluorescent sign	1	\$275.90	AS	\$275.90
	700-48-58	Replace two “School” plaques (with fluorescent plaque) on school speed limit assemblies on the north and south sides	2	\$249.38	EA	\$498.76
Construction Cost						\$93,812.14
Maintenance of Traffic (10%)						\$9,381.21
Mobilization (10%)						\$9,381.21
Sub Total						\$112,574.57
Contingency (15%)						\$16,886.19
Total Construction Cost						\$129,460.75
PE (15%)						\$19,419.11
CEI (15%)						\$19,419.11
Grand Total						\$168,298.98

# **Sunny Isles Beach K-8 Community School**

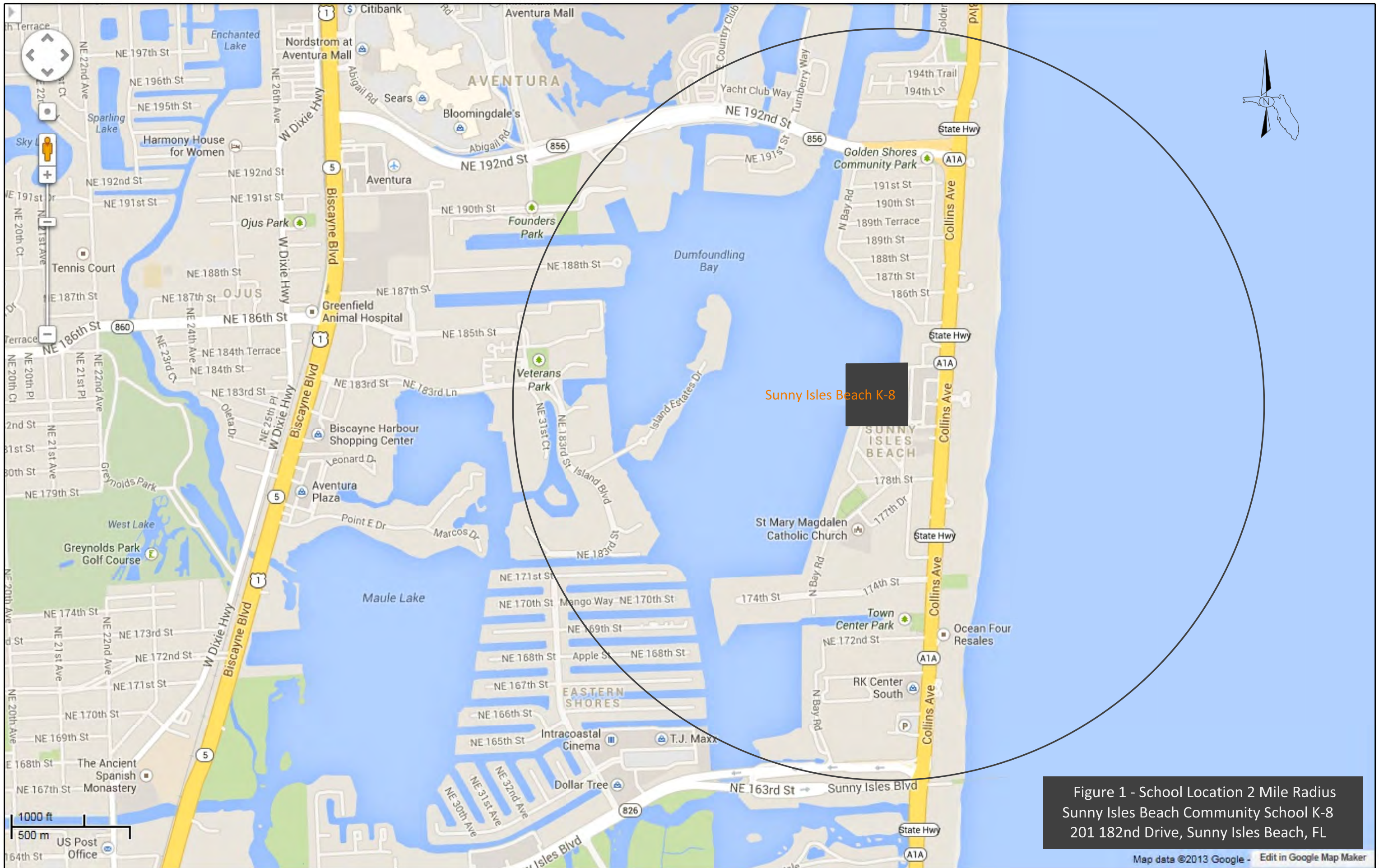


Figure 1 - School Location 2 Mile Radius  
Sunny Isles Beach Community School K-8  
201 182nd Drive, Sunny Isles Beach, FL



Figure 2: Sunny Isles Beach Community School K-8 Attendance Area and Crash Data (2005-2011)

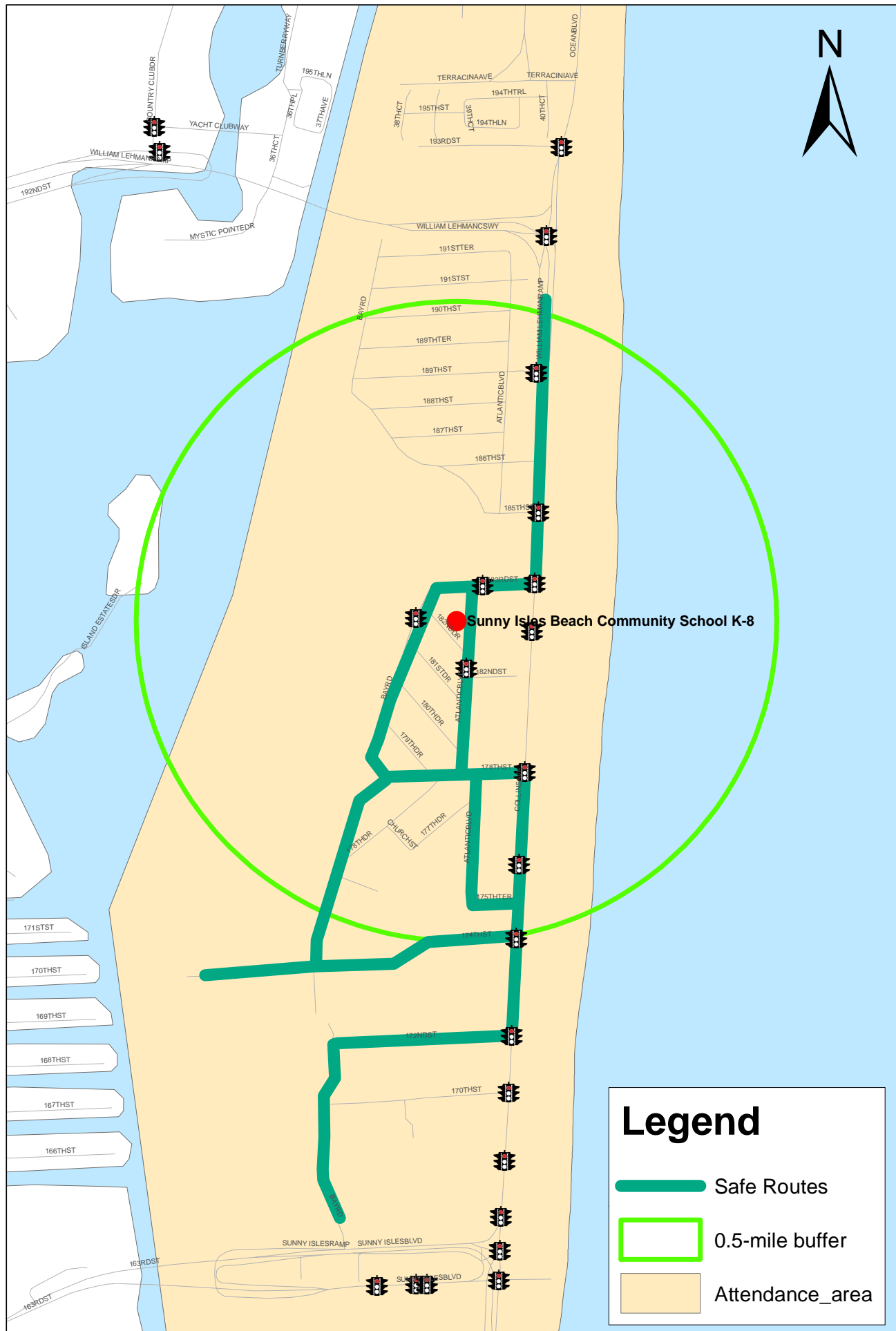








Figure 4: Sunny Isles Beach Community School K-8  
Safe Routes to School Plan





Sunny Isles Beach Community School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
A1A						
189 <sup>th</sup> Street	110-4	Sidewalk removal on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
186 <sup>th</sup> Street	110-4	Sidewalk removal on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
183 <sup>rd</sup> Street	700-48-58	Replace pedestrian crossing signs on all four corners with fluorescent school crossing signs	6	\$249.38	EA	\$1,496.28
	700-20-11	Add fluorescent school crossing sign on the west leg	1	\$275.90	AS	\$275.90
178 <sup>th</sup> Street	700-48-58	Replace pedestrian crossing signs on the NW, SW, and SE corners with fluorescent school crossing signs	7	\$249.38	EA	\$1,745.66
	110-4	Sidewalk removal on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the NW corner	1	\$423.55	EA	\$423.55
Ped Crossing	110-4	Sidewalk removal on the east and west legs, and on the median in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on the east and west legs, and on the median in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on the east and west leg and on median	4	\$423.55	EA	\$1,694.20
	700-48-58	Replace pedestrian crossing signs on the west and east sides with fluorescent school crossing signs (including sign on the mast arm)	4	\$249.38	EA	\$997.52
	700-48-18	Install fluorescent school crossing signs on the mast arm facing NB travel	1	\$407.16	EA	\$407.16
174 <sup>th</sup> Street	700-48-58	Replace pedestrian crossing signs on the NW and SE corners with fluorescent school crossing signs	2	\$249.38	EA	\$498.76
	700-20-11	Add fluorescent school crossing sign on the west leg	1	\$275.90	AS	\$275.90
172 <sup>nd</sup> Street	110-4	Sidewalk removal on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
183rd Street/North Bay Road						
183 <sup>rd</sup> Street	700-90-21	Relocate the flasher on 183 <sup>rd</sup> Street east of the existing location	1	\$756.99	AS	\$756.99
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
Atlantic Blvd	711-12-123, 711-11-125	Restripe crosswalk with ladder crosswalk on west and south legs	84	\$9.19	LF	\$771.96
181 <sup>st</sup> Drive	700-48-58	Replace pedestrian crossing sign with fluorescent school crossing sign on the SE corner	1	\$249.38	EA	\$249.38
	711-11-123, 711-11-125	Add ladder crosswalks on the north and east legs	93	\$8.63	LF	\$802.59
	700-20-11	Install school crossing assembly signs on the north, east and south legs (double sided - see item below)	3	\$275.90	AS	\$827.70
	700-48-18	Install additional school crossing assembly signs to the new posts on the north, east and south legs	6	\$407.16	EA	\$2,442.96
	700-20-11	Add school crossing ahead signs north and south of this location	2	\$275.90	AS	\$551.80
179 <sup>th</sup> Drive	711-12-123, 711-11-125	Restripe the crosswalk on the north leg with a ladder type crosswalk	38	\$9.19	LF	\$349.22
	700-20-11	Add school crossing signs facing northbound and southbound traffic on the north leg	2	\$275.90	AS	\$551.80
	700-20-11	Add school crossing ahead signs north and south of this location	2	\$275.90	AS	\$551.80
178 <sup>th</sup> Street	711-12-123, 711-11-125	Restripe existing crosswalks on all three legs with ladder type crosswalks	125	\$9.19	LF	\$1,148.75
	700-20-11	Install school crossing signs to all three legs (double sided - see item below)	3	\$275.90	AS	\$827.70
	700-48-18	Install additional school crossing assembly signs to new posts on all three legs	6	\$407.16	EA	\$2,442.96
178 <sup>th</sup> Drive	700-20-11	Add school crossing signs to the NW and NE corners	2	\$275.90	AS	\$551.80
	700-20-11	Add school crossing ahead signs north and south of this location	2	\$275.90	AS	\$551.80
	711-12-123, 711-11-125	Restripe north leg with ladder crosswalk	25	\$9.19	LF	\$229.75
	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40

Sunny Isles Beach Community School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
174 <sup>th</sup> Street	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
Atlantic Boulevard						
180 <sup>th</sup> Drive	700-48-58	Replace school crossing sign with fluorescent sign on the east side	1	\$249.38	EA	\$249.38
181 <sup>st</sup> Drive	711-12-123, 711-11-125	Replace existing crosswalk with ladder type crosswalk on west leg	70	\$9.19	LF	\$643.30
North of 181 <sup>st</sup> Drive	700-90-21	Relocate flashers to south of existing location	2	\$756.99	AS	\$1,513.98
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
	711-11-125, 711-11-160	Add "school" pavement markings along Atlantic Blvd	4	\$210.30	EA	\$841.20
		Trim tree blocking speed sign on the east side (maintenance)	Maintenance			
182 <sup>nd</sup> Drive	711-12-123, 711-11-125	Replace existing crosswalk with ladder type crosswalk on west leg	13	\$9.19	LF	\$119.47
Construction Cost						\$31,376.23
Maintenance of Traffic (10%)						\$3,137.62
Mobilization (10%)						\$3,137.62
Sub Total						\$37,651.48
Contingency (15%)						\$5,647.72
Total Construction Cost						\$43,299.20
PE (15%)						\$6,494.88
CEI (15%)						\$6,494.88
Grand Total						\$56,288.96

## **Morningside Elementary**



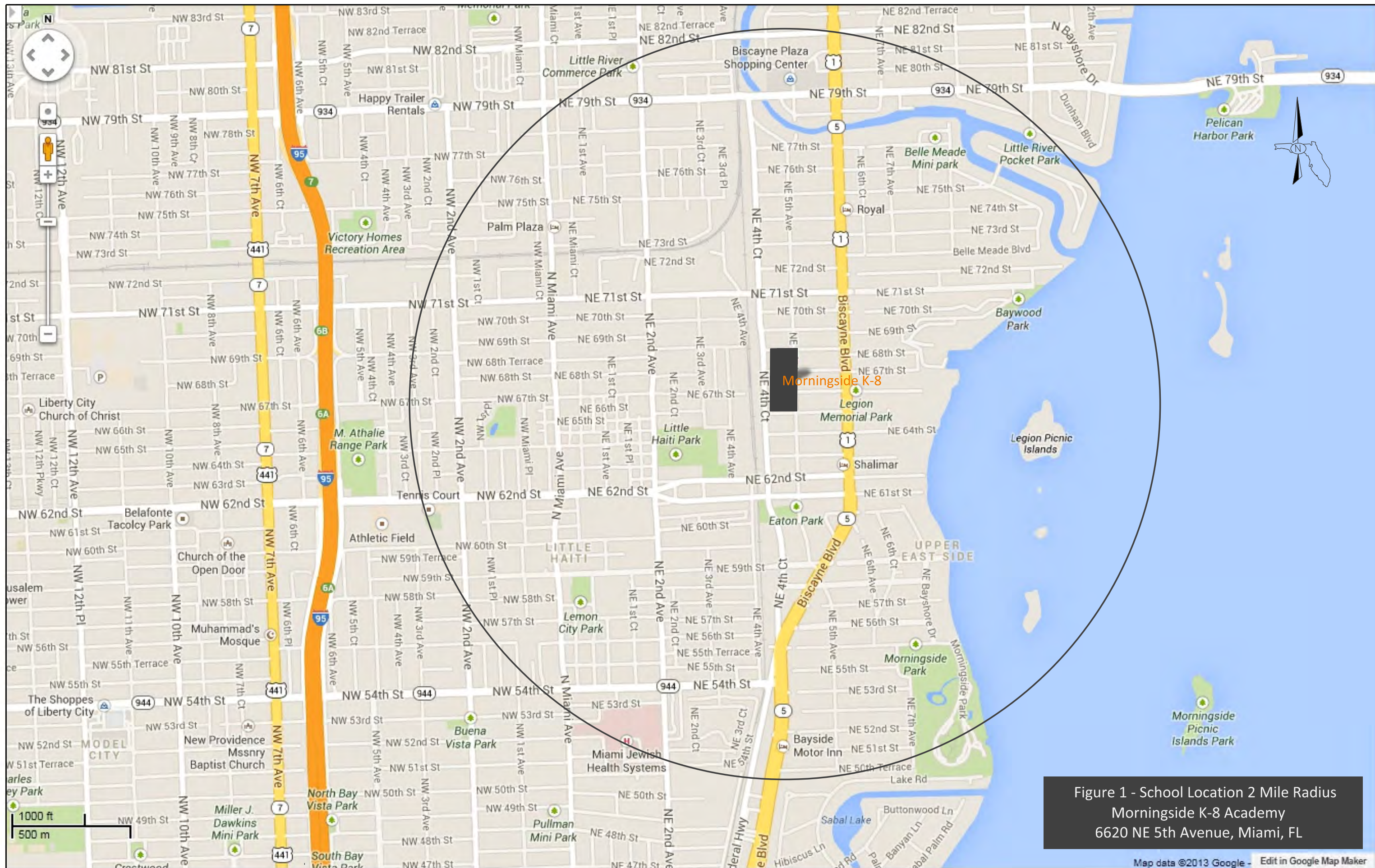
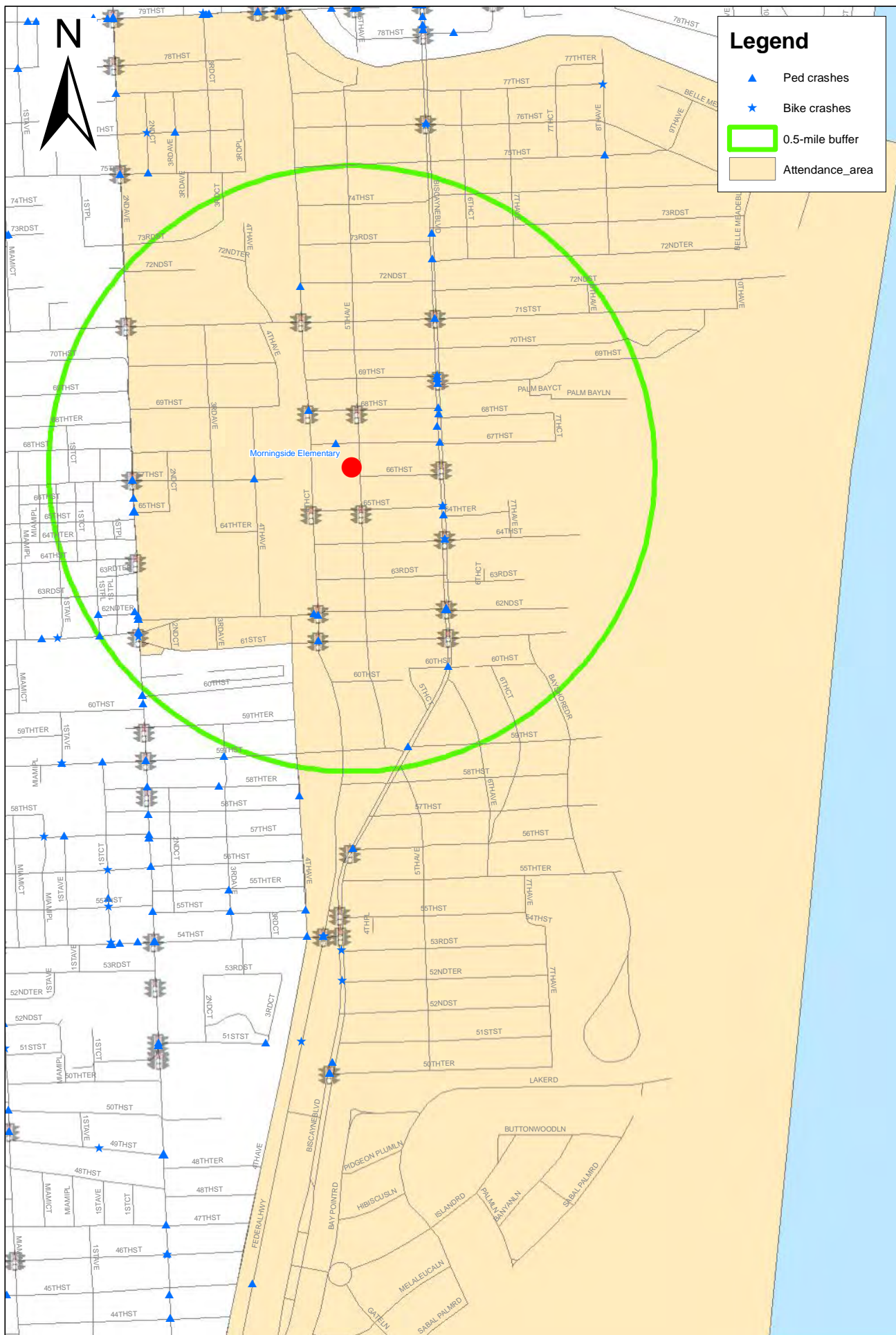


Figure 1 - School Location 2 Mile Radius  
Morningside K-8 Academy  
6620 NE 5th Avenue, Miami, FL



Figure 2: Morningside K-8 Academy  
Attendance Area and Crash Data (2005-2011)





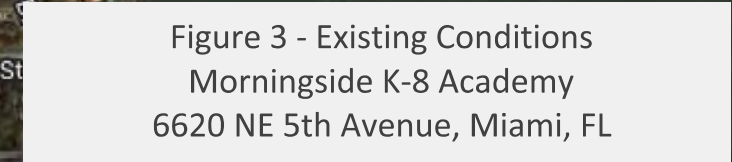
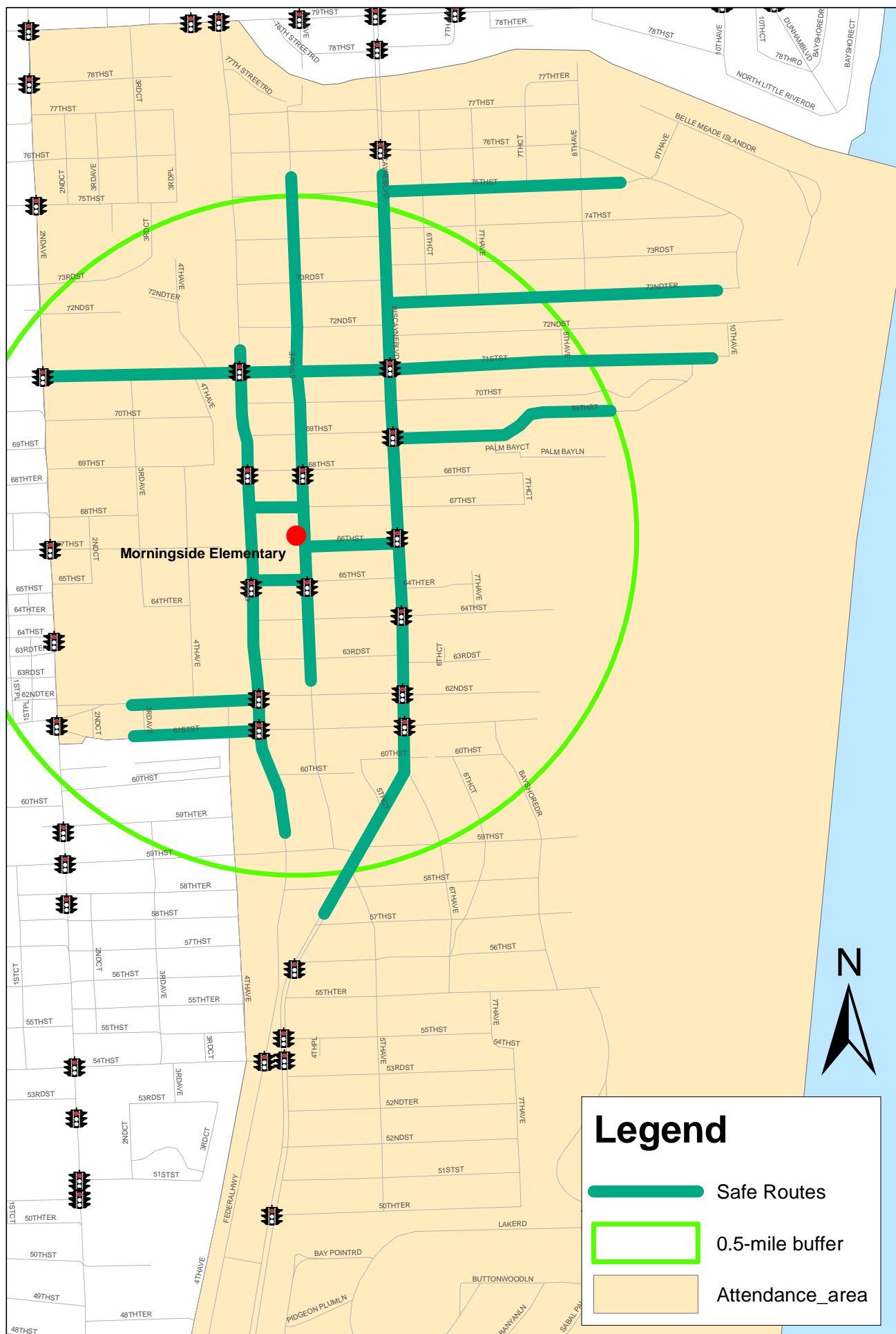




Figure 4: Morningside K-8 Academy  
Safe Routes to School Plan





Morningside Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NE 5th Avenue						
NE 68th Street	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
NE 67th Street	700-48-58	Replace school crossing sign with fluorescent sign on the SE corner	1	\$249.38	EA	\$249.38
	700-48-58	Replace school plaque on NW corner facing westbound traffic	1	\$249.38	EA	\$249.38
NE 66th Street	700-48-58	Replace school plaque on speed limit sign on the SW corner	1	\$249.38	EA	\$249.38
	700-48-58	Replace school crossing sign with fluorescent sign on the NE corner	1	\$249.38	EA	\$249.38
NE 65th Street	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
South of 65th Street	700-48-58	Replace school crossing + speed zone ahead combination sign with School Speed Limit Ahead (S4-5) sign	1	\$249.38	EA	\$249.38
NE 62nd Street	700-20-11	Install "use Crosswalk" signs with arrow pointing to closes crosswalk on all four corners	4	\$275.90	AS	\$1,103.60
NE 61st Street	700-20-11	Install "use Crosswalk" signs with arrow pointing to closes crosswalk on all four corners	4	\$275.90	AS	\$1,103.60
Biscayne Boulevard						
NE 62nd Street	711-12-123, 711-11-125	Replace existing crosswalks with ladder crosswalks on the west, north, and east legs	181	\$9.19	LF	\$1,663.39
NE 71st Street	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Replace detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
NE 71st Street (east of Biscayne Blvd - safe route on the south side)						
East of Biscayne Blvd	110-4	Remove existing sidewalk (30 feet) in front of house 816.	20	\$24.84	SY	\$496.80
	522-1	Add sidewalk in front of house 816.	20	\$36.56	SY	\$731.20
West of Biscayne Blvd	522-2	Add sidewalk and ramps - between house 580 and Dogma restaurant (approx. 60 feet)	40	\$40.01	40.01	\$1,600.40
Between NE 4th Ct & NE 4th Ave (on south side only)	522-2	Add sidewalk (approx. 330 ft.) and concrete ramps on the south side	220	\$40.01	40.01	\$8,802.20
NE 4th Ave	527-1	Add detectable warning pads (embedded)	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalks on the south side (across NE 4th Avenue)	148	\$1.51	LF	\$223.48
Between NE 4th Ave & NE 3rd Ave (on the south side only)	522-2	Connect sidewalks (approx. 250 ft.) and add concrete ramps	167	\$40.01	40.01	\$6,668.33
NE 3rd Ave	527-1	Add detectable warning pads (embedded)	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalks on the south side (across NE 3rd Avenue)	130	\$1.51	LF	\$196.30
Between NE 3rd Ave & NE 2nd Ave (on south side only)	522-2	Connect concrete sidewalks (approx. 110 ft.) on the south side	73	\$40.01	40.01	\$2,934.07
NE 2nd Ave	522-2	Add concrete ramps on all four corners	22	\$40.01	40.01	\$889.11
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-12-123, 711-11-125	Add ladder crosswalks on all four legs	270	\$9.19	LF	\$2,481.30
	700-20-11	Install school crossing signs on all four corners	4	\$275.90	AS	\$1,103.60
	690-20	Remove existing pedestrian signal heads (8 signal heads)	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads (8 signal heads)	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs	8	\$169.82	EA	\$1,358.56
NE 75th Street						

**Morningside Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NE 8th Ave	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Replace detectable warning pads (embedded) on all corners	4	\$423.55	EA	\$1,694.20
<b>67th Street</b>						
West of NE 5th Avenue	700-48-58	Replace school crossing signs on north and south side with fluorescent signs	2	\$249.38	EA	\$498.76
<b>NE 4th Court</b>						
NE 71st Street	711-12-123, 711-11-125	Add ladder crosswalk on all four legs	175	\$9.19	LF	\$1,608.25
	700-20-11	Install school crossing signs on all four corners	4	\$275.90	AS	\$1,103.60
NE 69th Street	522-2	Add concrete ramps on the SE and NE corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the east leg	80	\$1.51	LF	\$120.80
North of NE 68th Street	700-48-60	Remove school crossing + speed zone ahead combination sign on the west side facing southbound traffic	2	\$113.59	EA	\$227.18
	700-48-18	Install School Speed Limit Ahead (S4-5) sign on the west side facing southbound traffic	1	\$407.16	EA	\$407.16
NE 68th Street	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	6	\$113.59	EA	\$681.54
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	3	\$407.16	EA	\$1,221.48
	711-12-123, 711-11-125	Add ladder crosswalk on the east leg	60	\$9.19	LF	\$551.40
	711-11-123, 711-11-125	Add ladder crosswalk on the north and south legs	60	\$8.63	LF	\$517.80
	110-4	Sidewalk removal on all four corners	11	\$24.84	SY	\$276.00
	522-2	Add a concrete ramp on all four corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pad (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	700-20-11	Add no parking signs in front of crosswalks on west side	2	\$275.90	AS	\$551.80
	700-20-11	Install school crossing signs on the SE and SW corners	2	\$275.90	AS	\$551.80
	522-2	Extend curb on the SW and NW corner to restrict vehicles from parking adjacent to the crosswalk	8	\$40.01	SY	\$311.19
North of NE 67th Street	700-48-58	Replace 'school' plaque School Speed Limit assembly on east and west sides facing NB and SB traffic	2	\$249.38	EA	\$498.76
		Trim Tree blocking flasher for NB traffic (maintenance)	Maintenance			
North of NE 65th Street	700-48-58	Replace 'school' plaque on School Speed Limit assembly	4	\$249.38	EA	\$997.52
North of NE 64th Street	700-48-58	Replace school crossing sign with fluorescent sign	1	\$249.38	EA	\$249.38
	700-48-58	Replace 'school' plaque on School Speed Limit assembly facing NB and SB traffic	3	\$249.38	EA	\$748.14
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
		Trim trees that block view of flashers (maintenance)	Maintenance			
NE 64th Street	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
NE 63rd Street	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	700-48-58	Replace school crossing sign with fluorescent sign on the SE, NE, and NW corners	4	\$249.38	EA	\$997.52
	700-20-11	Install school crossing sign on the SW corner	1	\$275.90	AS	\$275.90
	690-20	Remove existing pedestrian signal heads	4	\$50.96	EA	\$203.84

Morningside Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NE 62nd Street	653-191	Install countdown signal heads on the west and east legs	4	\$733.83	AS	\$2,935.32
	665-11	Install push buttons and pedestrian actuation/educational signs on the west and east legs	4	\$169.82	EA	\$679.28
	700-20-11	Replace traffic signal pedestrian actuation signs (R10-4a per MUTCD) on all four corners	4	275.9	AS	\$1,103.60
	110-4	Remove existing sidewalk north of NE 62nd Street on the east side (approx. 20 feet)	11	\$24.84	SY	\$276.00
	522-2	Install sidewalk north of NE 62nd Street on the east side	11	\$40.01	SY	\$444.56
North of NE 61st Street	110-4	Remove existing sidewalk on the east side (approx. 10 feet)	7	\$24.84	SY	\$165.60
	522-2	Install sidewalk on the east side	7	\$40.01	SY	\$266.73
	700-48-60	Remove school crossing sign on the west side facing southbound traffic blocking sidewalk	1	\$113.59	SY	\$113.59
NE 61st Street	700-20-11	Add 'point down arrow' to school crossing sign on the NW corner	1	\$275.90	AS	\$275.90
NE 65th Street						
East of NE 4th Court	700-21-11	Install School Speed Limit assembly (on the south side facing eastbound traffic)	1	\$3,450.40	AS	\$3,450.40
NE 62nd Street						
Railroad Crossing	711-11-111	Extend 6 inch white edge lines across railroad	20	\$1.51	LF	\$30.20
	711-11-211	Extend 6 inch yellow edge lines across railroad	20	\$1.51	LF	\$30.20
NE 4th Avenue		Trim tree on the SW corner blocking sidewalk (maintenance)	Maintenance			
NE 61st Street						
Railroad Crossing	711-11-111	Extend 6 inch white edge lines across railroad	20	\$1.51	LF	\$30.20
	711-11-124	Extend 18 inch diagonal lines (at 10 ft. of center) across railroad	20	\$2.34	LF	\$46.80
	711-11-211	Extend 6 inch yellow edge lines across railroad	20	\$1.51	LF	\$30.20
NE 4th Avenue	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the NE corner	1	\$423.55	EA	\$423.55
Construction Cost						\$76,613.17
Maintenance of Traffic (10%)						\$7,661.32
Mobilization (10%)						\$7,661.32
Sub Total						\$91,935.81
Contingency (15%)						\$13,790.37
Total Construction Cost						\$105,726.18
PE (15%)						\$15,858.93
CEI (15%)						\$15,858.93
Grand Total						\$137,444.03

# **Shenandoah Elementary**



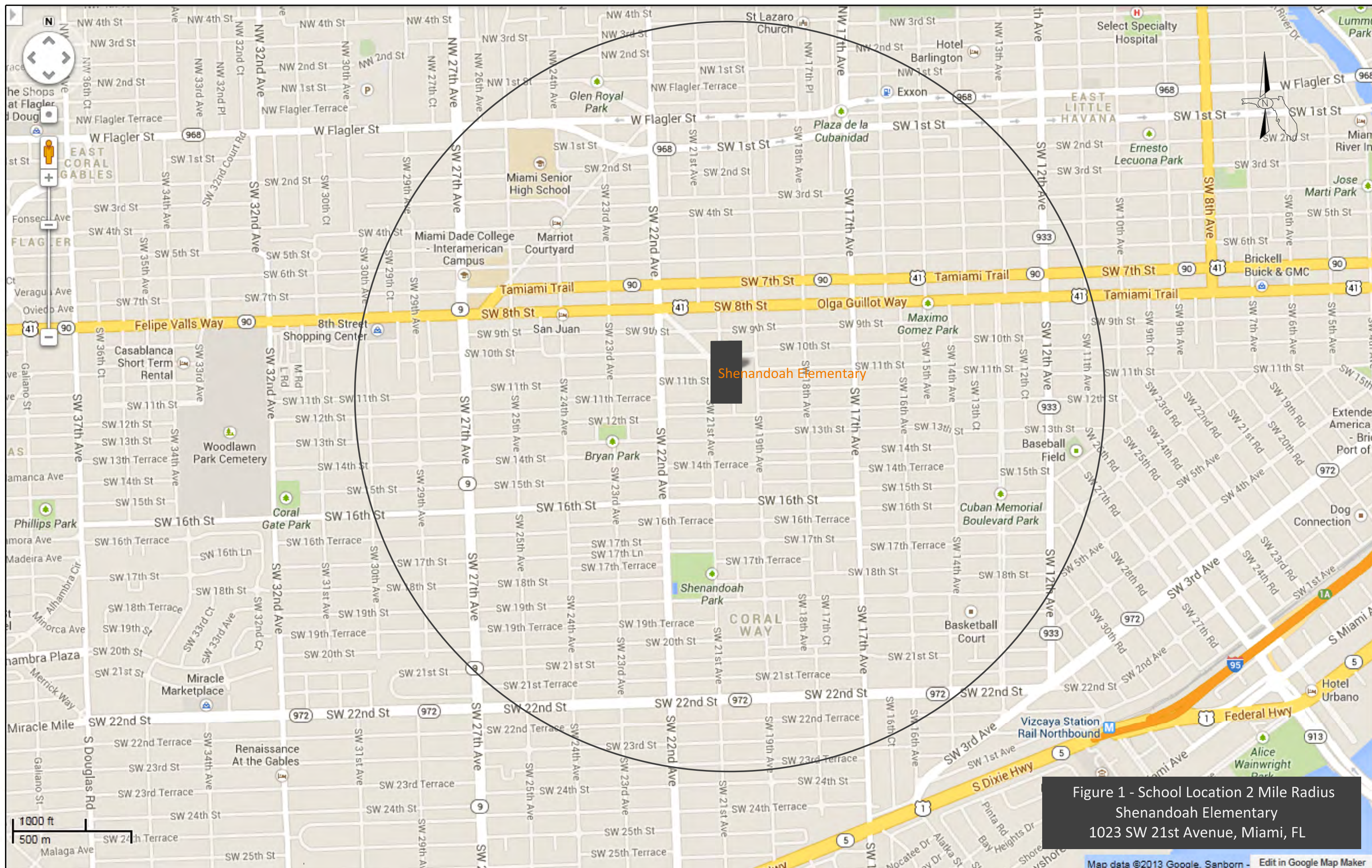
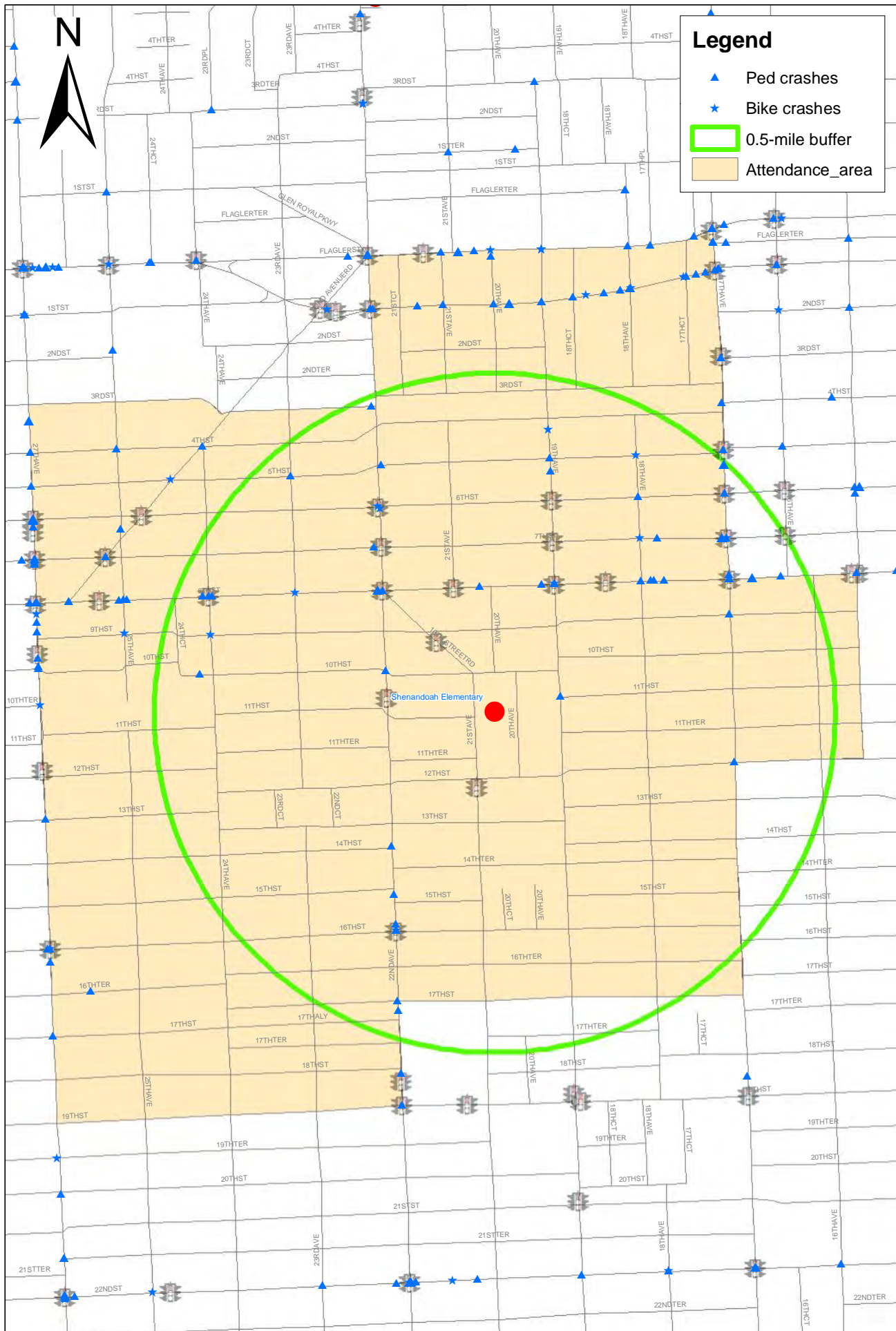


Figure 1 - School Location 2 Mile Radius  
Shenandoah Elementary  
1023 SW 21st Avenue, Miami, FL



Figure 2: Shenandoah Elementary School Attendance Area and Crash Data (2005-2011)





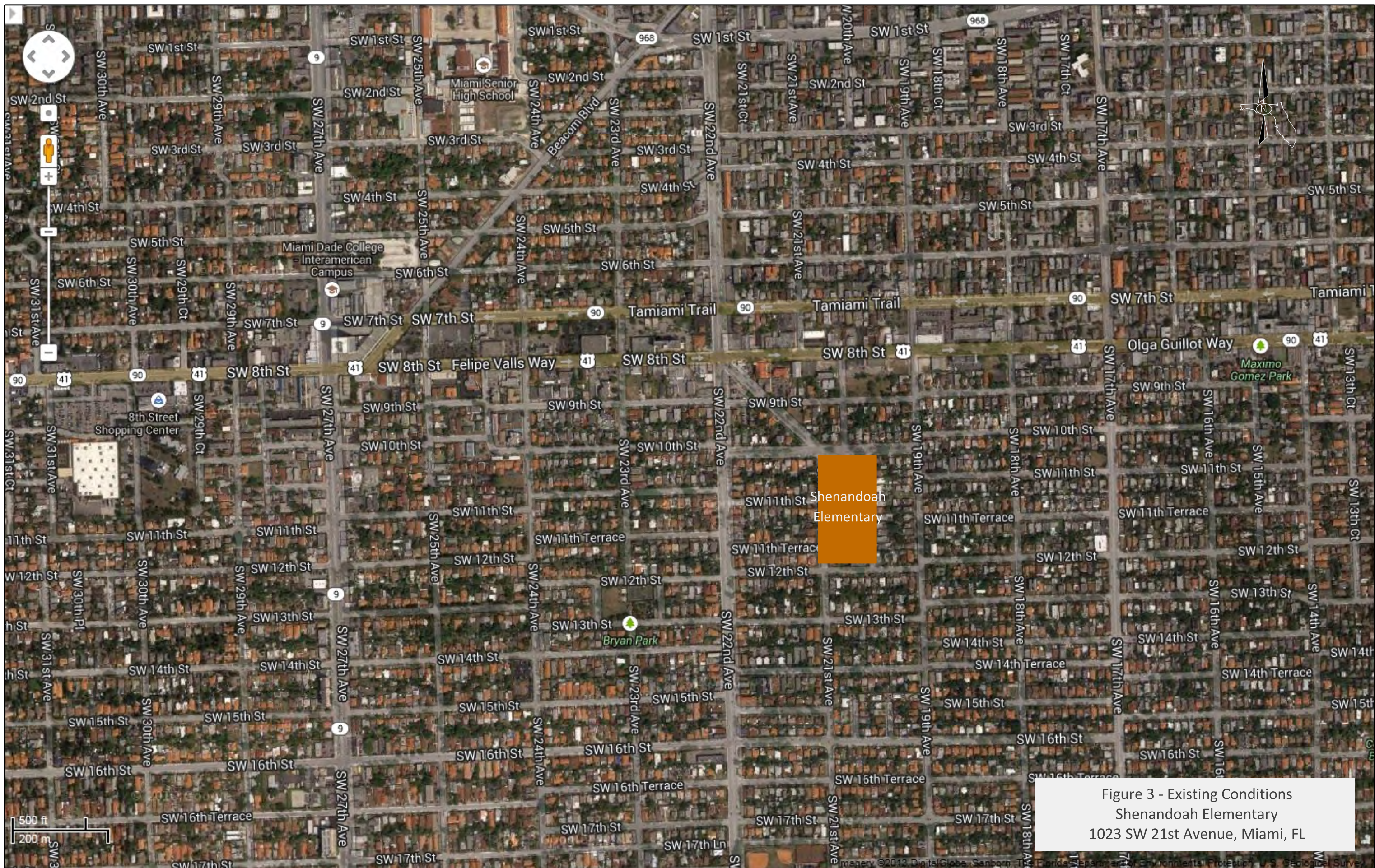
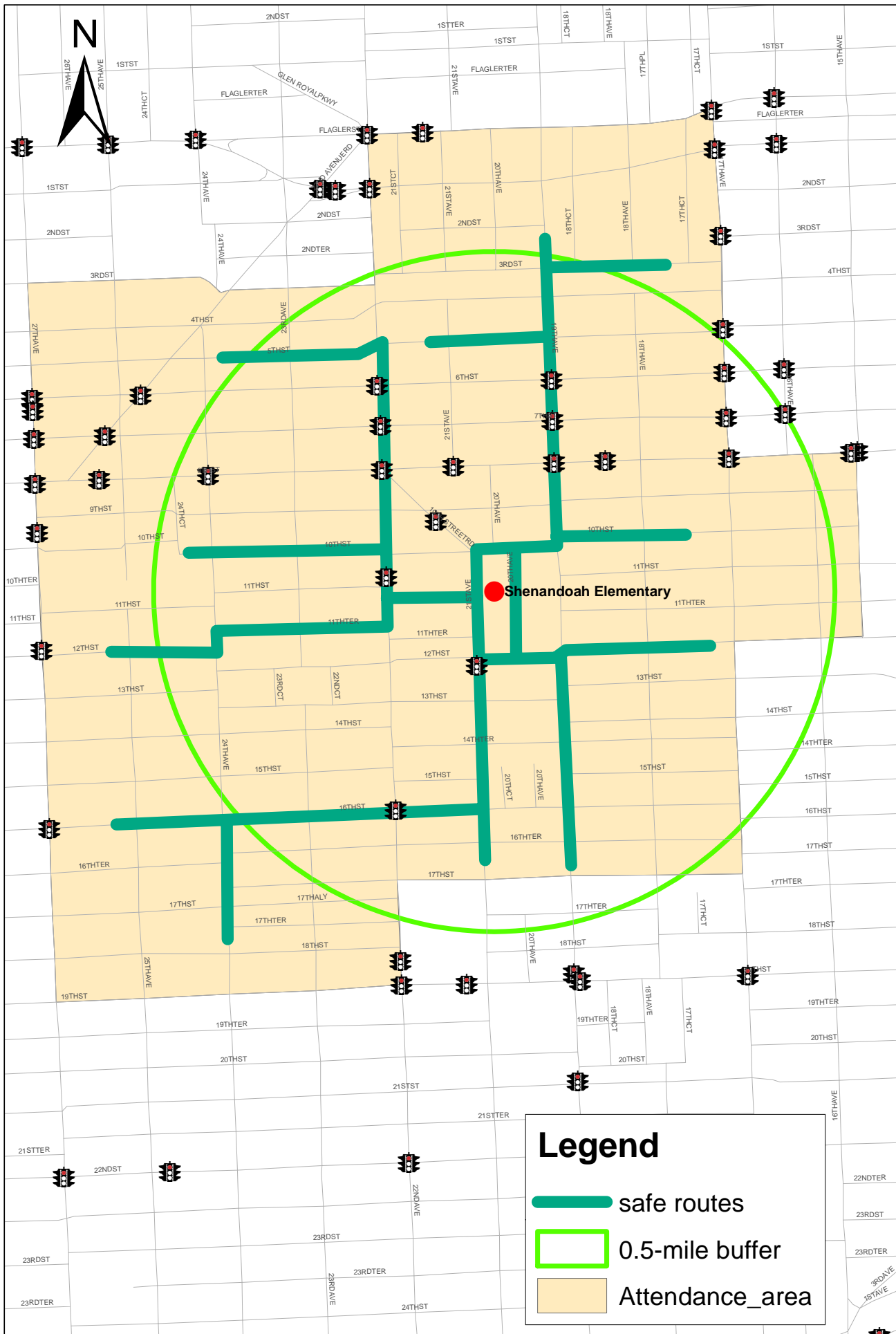


Figure 3 - Existing Conditions  
Shenandoah Elementary  
1023 SW 21st Avenue, Miami, FL



The map displays the attendance area for Shenandoah Elementary, centered on the school's location. A large green circle represents the 0.5-mile buffer around the school. A network of red lines indicates the safe routes, which primarily follow major thoroughfares such as 20th Avenue, 21st Street, and 22nd Street. The attendance area is shaded in light blue. The map includes a grid of streets with names like 1st St, 2nd St, 3rd St, 4th St, 5th St, 6th St, 7th St, 8th St, 9th St, 10th St, 11th St, 12th St, 13th St, 14th St, 15th St, 16th St, 17th St, 18th St, 19th St, 20th St, 21st St, 22nd St, 23rd St, 24th St, 25th St, 26th St, 27th St, 28th St, 29th St, 30th St, 31st St, 32nd St, 33rd St, 34th St, 35th St, 36th St, 37th St, 38th St, 39th St, 40th St, 41st St, 42nd St, 43rd St, 44th St, 45th St, 46th St, 47th St, 48th St, 49th St, 50th St, 51st St, 52nd St, 53rd St, 54th St, 55th St, 56th St, 57th St, 58th St, 59th St, 60th St, 61st St, 62nd St, 63rd St, 64th St, 65th St, 66th St, 67th St, 68th St, 69th St, 70th St, 71st St, 72nd St, 73rd St, 74th St, 75th St, 76th St, 77th St, 78th St, 79th St, 80th St, 81st St, 82nd St, 83rd St, 84th St, 85th St, 86th St, 87th St, 88th St, 89th St, 90th St, 91st St, 92nd St, 93rd St, 94th St, 95th St, 96th St, 97th St, 98th St, 99th St, 100th St. A north arrow is located in the top left corner. A legend in the bottom right corner identifies the red lines as 'safe routes', the green circle as '0.5-mile buffer', and the light blue area as 'Attendance\_area'.



Shenandoah Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 24th Avenue						
SW 10th Street	700-48-58	Replace school crossing signs with fluorescent signs on the north and west legs	4	\$249.38	EA	\$997.52
SW 11th Terrace	522-2	Construct concrete ramps on the NE and SE corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	3	\$423.55	EA	\$1,270.65
	711-11-123	Add a crosswalk on the east and north legs	146	\$1.51	LF	\$220.46
	700-20-11	Install advance school crossing signs facing northbound and southbound traffic for crosswalk on the north leg	2	\$275.90	AS	\$551.80
	700-20-11	Install school crossing signs facing northbound and southbound traffic for crosswalk on the north leg	2	\$275.90	AS	\$551.80
SW 12th Street	711-11-123	Add a crosswalk on the west leg	92	\$1.51	LF	\$138.92
	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Replace detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
SW 16th Street (Roundabout)	700-48-58	Replace school crossing signs on the north, south, and east legs with fluorescent signs	4	\$249.38	EA	\$997.52
SW 16th Terrace	522-2	Construct concrete ramps on the NE and SE corners	6	\$40.01	SY	\$222.28
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk to the east leg	100	\$1.51	LF	\$151.00
SW 17th Street	522-2	Construct concrete ramps on the NE and SE corners	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk to the east leg	90	\$1.51	LF	\$135.90
SW 23rd Avenue						
SW 16th Street	110-4	Sidewalk removal on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) to all four corners (4 pads)	4	\$423.55	EA	\$1,694.20
SW 11th Terrace	522-2	Construct concrete ramps on all four corners	44	\$40.01	SY	\$1,778.22
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the east and west legs	120	\$1.51	LF	\$181.20
SW 10th Street	110-4	Sidewalk removal on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) to all four corners	4	\$423.55	EA	\$1,694.20
SW 5th Street	711-11-123	Add crosswalks on the south and north legs	184	\$1.51	LF	\$277.84
	700-20-11	Install fluorescent green advance school crossing signs facing northbound and southbound traffic for crosswalks on the north and south legs	2	\$275.90	AS	\$551.80
	700-20-11	Install fluorescent green school crossing signs facing northbound and southbound traffic	4	\$275.90	AS	\$1,103.60
SW 22nd Avenue						
SW 5th Street	110-4	Sidewalk removal of the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add a detectable warning pad (embedded) on the SW Corner	1	\$423.55	EA	\$423.55
SW 6th Street	110-4	Sidewalk removal of the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp of the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add a detectable warning pad (embedded) on the NW corner	1	\$423.55	EA	\$423.55
SW 8th Street	690-20	Remove existing pedestrian signal heads on all four legs (8 signal heads)	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads (8 signal heads) on all four legs	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs on all four legs	8	\$169.82	EA	\$1,358.56
	711-12-123, 711-11-125	Restripe existing crosswalk on all four legs to add ladder crosswalks	311	\$9.19	LF	\$2,858.09
SW 9th Street	711-12-123	Restripe crosswalks on the west and east legs	200	\$1.79	LF	\$358.00

Shenandoah Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 10th Street	711-12-123	Restripe crosswalks on the west and east legs	326	\$1.79	LF	\$583.54
	Pedestrian Crossing between SW 10th Street and SW 11th Street					
	700-48-58	Replace school crossing signs with fluorescent green signs (2 signs)	2	\$249.38	EA	\$498.76
	110-4	Sidewalk removal on the west leg in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the west leg in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add a detectable warning pad (embedded) on the west leg (1 pad)	1	\$423.55	EA	\$423.55
	690-20	Remove existing pedestrian signal heads (2 signal heads)	2	\$50.96	EA	\$101.92
	653-191	Install countdown signal heads (2 signal heads)	2	\$733.83	AS	\$1,467.66
	665-11	Install push buttons and pedestrian actuation/educational signs	2	\$169.82	EA	\$339.64
SW 11th Street	110-4	Sidewalk removal on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add a detectable warning pad (embedded) on the SE corner	1	\$423.55	EA	\$423.55
SW 12th Street	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add a detectable warning pad (embedded) on the NE corner	1	\$423.55	EA	\$423.55
SW 13th Street	110-4	Sidewalk removal on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add a detectable warning pad (embedded) on the SE corner	1	\$423.55	EA	\$423.55
SW 16th Street	690-20	Remove existing pedestrian signal heads (8 signal heads)	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads (8 signal heads)	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs	8	\$169.82	EA	\$1,358.56
	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners (2 pads)	2	\$423.55	EA	\$847.10
SW 21st Avenue						
SW 16th Terrace	522-2	Construct concrete ramps on the SE, NE, and NW corners	8	\$40.01	SY	\$333.42
	110-4	Sidewalk removal on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on east and west legs	180	\$1.51	LF	\$271.80
SW 16th Street (Roundabout)	700-48-58	Replace school crossing signs with fluorescent signs on north, south and east legs (6 signs)	6	\$249.38	EA	\$1,496.28
SW 15th Street	522-2	Construct concrete ramps on the SW and NW corners	9	\$40.01	SY	\$355.64
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the west leg	90	\$1.51	LF	\$135.90
SW 14th Terrace	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the east leg	92	\$1.51	LF	\$138.92
	522-2	Construct concrete ramps on the SW and NW corners	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the west leg	92	\$1.51	LF	\$138.92
North of SW 14th Terrace		Trim bushes on the east sidewalk of SW 22st Avenue (maintenance)	Maintenance			



Shenandoah Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 13th Street	110-4	Sidewalk removal on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	700-48-60	Remove existing "speed zone ahead" facing northbound traffic	1	\$113.59	EA	\$113.59
	700-48-18	Install S5-1 and R2-6P signs per current MUTCD facing northbound traffic	2	\$407.16	EA	\$814.32
	700-48-58	Replace 'School' plaque on the existing flasher facing northbound traffic with florescent green plaque	1	\$249.38	EA	\$249.38
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
SW 12th Street	711-11-123	Add crosswalks on the west and south legs	182	\$1.51	LF	\$274.82
	700-48-58	Replace school crossing sign facing southbound traffic with fluorescent sign	1	\$249.38	EA	\$249.38
	700-48-58	Replace yellow plaque on school speed/time signs with fluorescent plaque on east leg (1 plaque)	1	\$249.38	EA	\$249.38
SW 11th Terrace	700-48-58	Replace 'School' plaque on the existing School Speed Limit Assembly sign on the east side of SW 22st Avenue with florescent green plaque	1	\$249.38	EA	\$249.38
SW 11th Street	700-48-58	Replace 'School' plaque on the existing School Speed Limit Assembly sign on the east side of SW 22st Avenue (in front of the school) with florescent green plaque	1	\$249.38	EA	\$249.38
	700-48-58	Replace 'School' plaque on the existing School Speed Limit Assembly sign on the west side of SW 22st Avenue (north of SW 11th Street) with florescent green plaque	1	\$249.38	EA	\$249.38
SW 10th Street	700-48-58	Replace school crossing signs on the east and south legs with fluorescent signs (2 signs)	2	\$249.38	EA	\$498.76
	700-48-58	Replace 'School' plaque on the existing School Speed Limit Assembly sign on the west side of SW 22st Avenue (south of SW 10th Street) with florescent green plaque	1	\$249.38	EA	\$249.38
SW 20th Avenue						
SW 10th Street (North Leg)	700-48-58	Replace 'School' plaque on the existing School Speed Limit Assembly sign on the south side with florescent green plaque	1	\$249.38	EA	\$249.38
SW 10th Street (South Leg)	110-4	Remove a section of raised median on the west leg to provide an even crosswalk (about 5x8 ft)	4	\$24.84	SY	\$110.40
	522-2	Install concrete ramps on the NW, SW, and SE corners	8	\$40.01	SY	\$333.42
	527-1	Add detectable warning pads (embedded) on the NW, SW and SE corners	3	\$423.55	EA	\$1,270.65
	700-20-11	Install fluorescent green school crossing signs facing northbound traffic on SW 20th Avenue.	1	\$275.90	AS	\$275.90
Between SW 10th Street and SW 12th Street	700-48-58	Replace 'School' plaque on the existing School Speed Limit Assembly signs with florescent green plaque (2 signs)	2	\$249.38	EA	\$498.76
SW 12th Street	522-2	Install concrete ramps on the NW, SW, and NE corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the NW, SW and NE corners	3	\$423.55	EA	\$1,270.65
	700-20-11	Add school crossing signs in the west leg facing eastbound and westbound traffic (2 signs)	2	\$275.90	AS	\$551.80
	700-48-58	Replace yellow plaque on school speed/time signs with fluorescent plaque on west leg (1 plaque)	1	\$249.38	EA	\$249.38
SW 19th Avenue						
SW 3rd Street	110-4	Remove existing concrete all 4 corners	22	\$24.84	SY	\$552.00
	522-2	Install concrete ramps on all 4 corners	22	\$40.01	SY	\$889.11
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Construct crosswalks on the north, west, and south legs	244	\$1.51	LF	\$368.44
SW 4th Street	522-2	Construct a ramp on the NW corner	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pad (embedded) on the NW corner	1	\$423.55	EA	\$423.55
	711-11-123	Add crosswalk in the west leg	60	\$1.51	LF	\$90.60
	700-20-11	Add crossing signs in the west leg facing westbound traffic (2 signs)	2	\$275.90	AS	\$551.80
SW 7th Street	711-12-123, 711-11-125	Restripe existing crosswalk on all four legs to ladder crosswalks	214	\$9.19	LF	\$1,966.66
	690-20	Remove existing pedestrian signal heads (8 signal heads)	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads (8 signal heads)	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs	8	\$169.82	EA	\$1,358.56
SW 8th Street	711-12-123, 711-11-125	Restripe existing crosswalk on all four legs to ladder crosswalks	139	\$9.19	LF	\$1,277.41
	690-20	Remove existing pedestrian signal heads (8 signal heads)	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads (8 signal heads)	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs	8	\$169.82	EA	\$1,358.56

Shenandoah Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 9th Street	522-2	Construct ramps on the NW and SW corners	9	\$40.01	SY	\$355.64
	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the east and west legs	198	\$1.51	LF	\$298.98
SW 10th Street	522-2	Construct concrete ramps on the SE and NW corners	15	\$40.01	SY	\$600.15
	527-1	Add detectable warning pads (embedded) on the SE and NW corners	2	\$423.55	EA	\$847.10
	711-12-123, 711-11-125	Restripe existing crosswalk to a ladder crosswalk across SW 19th Avenue	32	\$9.19	LF	\$294.08
SW 12th Street	522-2	Construct concrete ramps on all four corners	31	\$40.01	SY	\$1,222.53
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-12-123, 711-11-125	Restripe existing crosswalk on all four legs to ladder crosswalks	188	\$9.19	LF	\$1,727.72
SW 13th Street	711-11-123	Add a crosswalk on the east leg	160	\$1.51	LF	\$241.60
	711-11-123	Add a crosswalk on the west leg	80	\$1.51	LF	\$120.80
	522-2	Construct concrete ramps on the NW and SW corners	7	\$40.01	SY	\$266.73
	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
SW 14th Street	522-2	Construct a concrete ramp on the SE corner	4	\$40.01	SY	\$155.59
	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the east leg	86	\$1.51	LF	\$129.86
SW 14th Terrace	522-2	Construct concrete ramps on the SE and NE corners	7	\$40.01	SY	\$266.73
	110-4	Sidewalk removal on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the east and west legs	170	\$1.51	LF	\$256.70
SW 15th Street	522-2	Construct concrete ramps on the SE and NE corners	8	\$40.01	SY	\$311.19
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the east leg	100	\$1.51	LF	\$151.00
SW 16th Street	110-4	Sidewalk removal on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all 4 corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four ramps	4	\$423.55	EA	\$1,694.20



Shenandoah Elementary School - Opinion of Probable Cost (DRAFT)						
Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 18th Avenue						
SW 12th Street	522-2	Construct concrete ramps on all four corners	17	\$40.01	SY	\$666.83
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123, 711-11-125	Add ladder crosswalks on the north and south legs	112	\$8.63	LF	\$966.56
	711-11-123	Add standard crosswalks on the east and west legs	200	\$1.51	LF	\$302.00
SW 10th Street	522-2	Construct concrete ramps on all four corners	19	\$40.01	SY	\$777.97
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the east and west legs	182	\$1.51	LF	\$274.82
	711-11-123, 711-11-125	Add a ladder crosswalk on the south leg	100	\$8.63	LF	\$863.00
	700-20-11	Install advance school crossing signs facing northbound and southbound traffic for crosswalk on the south leg	2	\$275.90	AS	\$551.80
	700-20-11	Install school crossing signs facing northbound and southbound traffic	2	\$275.90	AS	\$551.80
SW 3rd Street	110-4	Sidewalk removal on the NW and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the north leg	86	\$1.51	LF	\$129.86
SW 10th Street Road						
SW 9th Street	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	4	\$113.59	EA	\$454.36
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	2	\$407.16	EA	\$814.32
Construction Cost						\$115,143.17
Maintenance of Traffic (10%)						\$11,514.32
Mobilization (10%)						\$11,514.32
Sub Total						\$138,171.80
Contingency (15%)						\$20,725.77
Total Construction Cost						\$158,897.57
PE (15%)						\$23,834.64
CEI (15%)						\$23,834.64
Grand Total						\$206,566.84

## **Fairlawn Elementary**



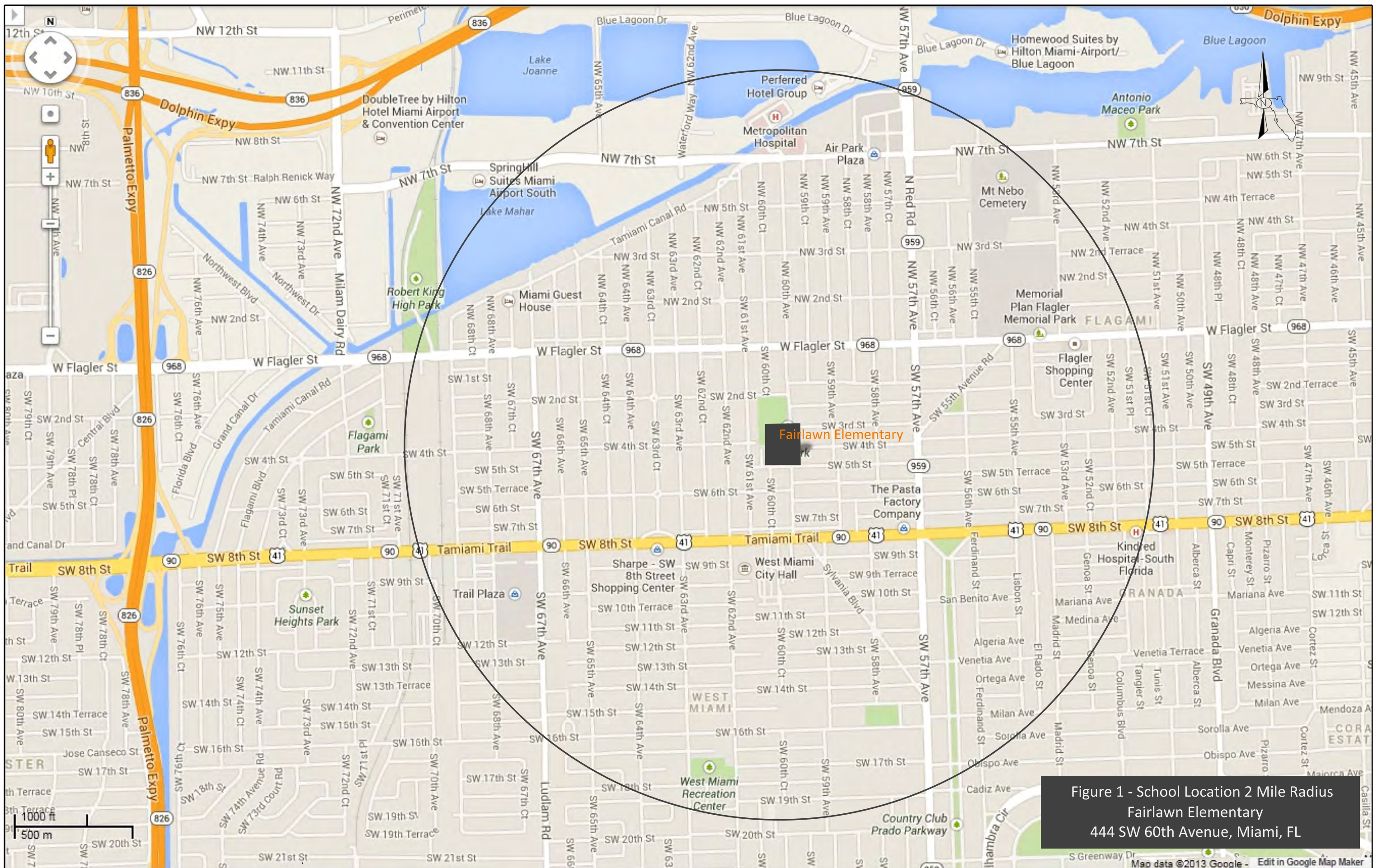


Figure 1 - School Location 2 Mile Radius  
Fairlawn Elementary  
444 SW 60th Avenue, Miami, FL



# Figure 2: Fairlawn Elementary School Attendance Area and Crash Data (2005-2011)





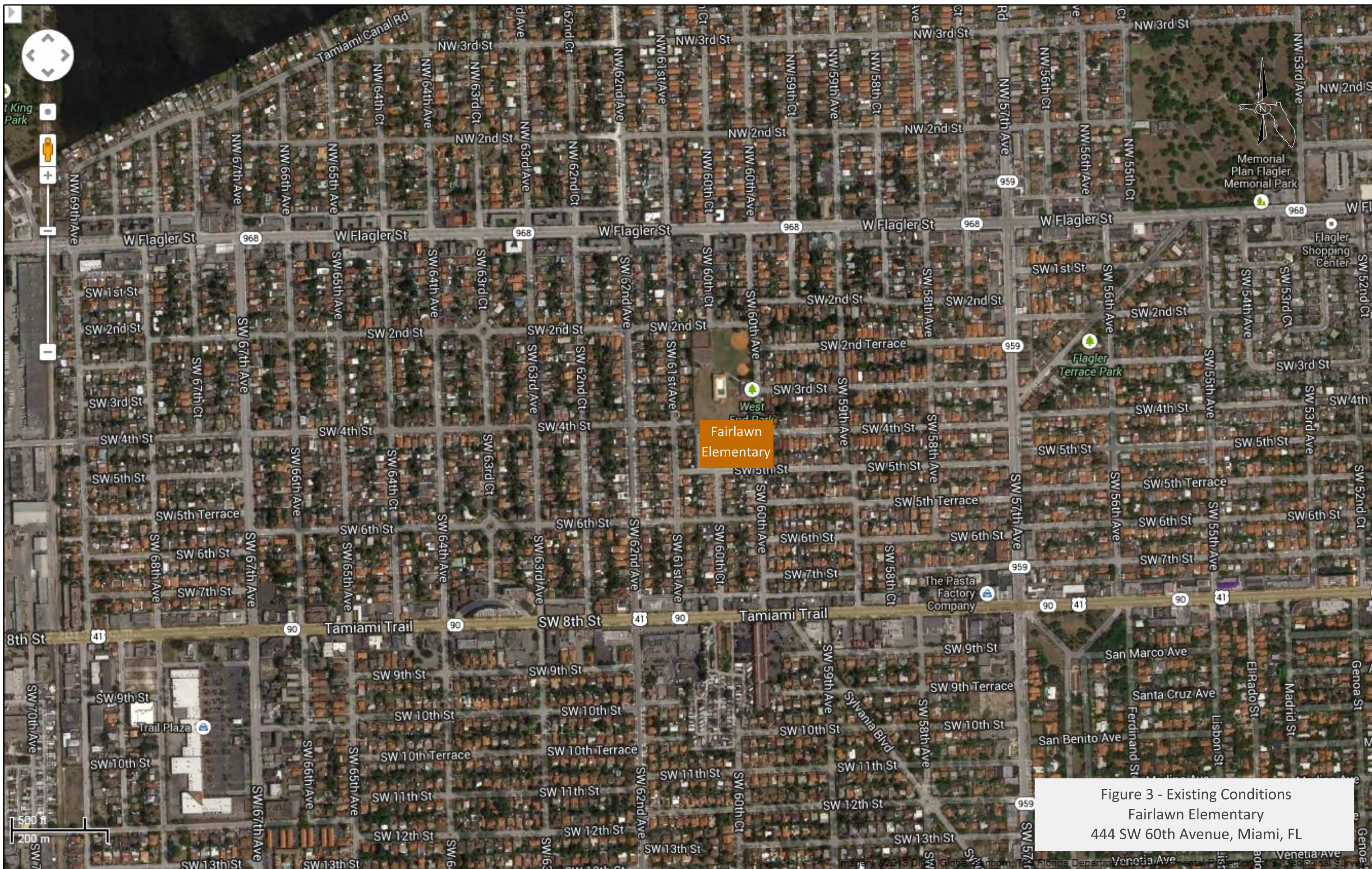
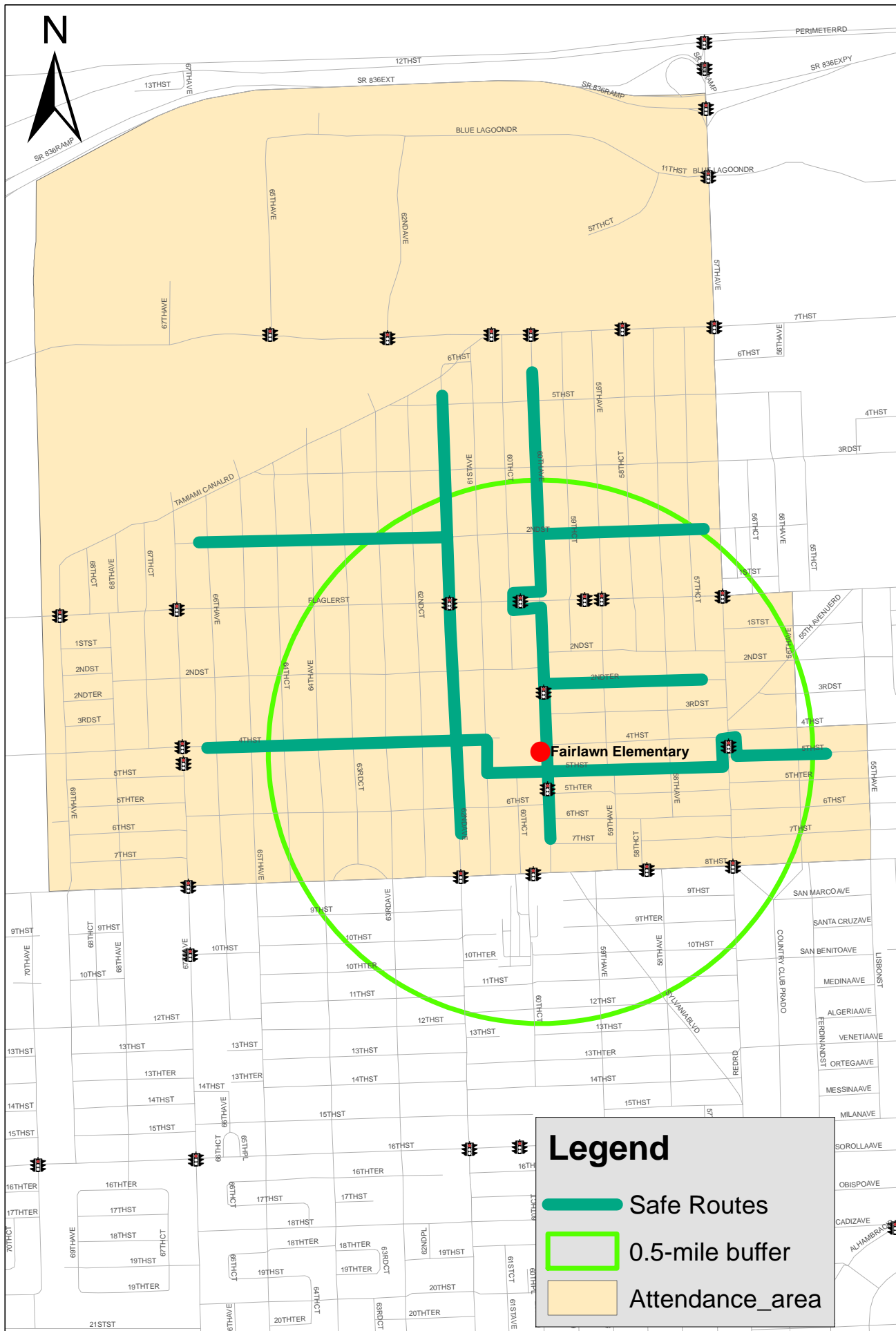


Figure 3 - Existing Conditions  
Fairlawn Elementary  
444 SW 60th Avenue, Miami, FL



# Figure 4: Fairlawn Elementary School Safe Routes to School Plan





**Fairlawn Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
<b>SW 4th Street</b>						
SW 69th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Replace detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
SW 68th Avenue	700-48-58	Replace pedestrian crossing signs on west (2), south (2), and north (1) legs with florescent school crossing signs	5	\$249.38	EA	\$1,246.90
	700-20-11	Add two (2) school crossing signs on east leg and one (1) sign on north leg facing northbound	3	\$275.90	AS	\$827.70
SW 67th Court	522-2	Add concrete ramps on NW and NE corners	21	\$40.01	SY	\$822.43
	527-1	Add detectable warning pads (embedded) on NW and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the north leg	88	\$1.51	LF	\$132.88
SW 67th Avenue	711-12-123, 711-11-125	Replace existing crosswalks with ladder crosswalks on all four legs	249	\$9.19	LF	\$2,288.31
SW 66th Avenue	711-11-123	Add crosswalk on the north and south legs	148	\$1.51	LF	\$223.48
SW 65th Avenue	700-48-58	Replace pedestrian crossing sign on the NW corner with florescent school crossing sign	1	\$249.38	EA	\$249.38
	700-20-11	Add school crossing sign on east leg facing eastbound traffic	1	\$275.90	AS	\$275.90
SW 64th Court	711-11-123	Add crosswalk on the north and south legs	140	\$1.51	LF	\$211.40
SW 64th Avenue	522-2	Add concrete ramps on SW and SE corners (note: driveways on the SW and SE corners)	21	\$40.01	SY	\$822.43
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalks on the north and south legs	150	\$1.51	LF	\$226.50
SW 63rd Court	711-11-123	Add crosswalks on the north and south legs	164	\$1.51	LF	\$247.64
SW 63rd Avenue	700-48-58	Replace pedestrian signs on the west leg with school crossing signs	2	\$249.38	EA	\$498.76
	700-20-11	Add school crossing signs on the south leg facing eastbound traffic	1	\$275.90	AS	\$275.90
	700-48-58	Replace two pedestrian crossing signs on the south leg with school crossing signs	4	\$249.38	EA	\$997.52
	700-48-58	Replace pedestrian crossing signs on the north leg with school crossing signs facing northbound traffic	2	\$249.38	EA	\$498.76
	700-20-11	Add school crossing sign on north leg (west side) facing southbound traffic	1	\$275.90	AS	\$275.90
	700-48-58	Replace pedestrian crossing signs on the east leg with school crossing signs facing westbound traffic	2	\$249.38	EA	\$498.76
	700-20-11	Add school crossing sign on the south side facing eastbound	1	\$275.90	AS	\$275.90
SW 62nd Court	711-11-123	Add crosswalk on the north and south leg	124	\$1.51	LF	\$187.24
SW 62nd Avenue	711-12-123, 711-11-125	Replace crosswalk with ladder crosswalk on all four legs	144	\$9.19	LF	\$1,323.36
SW 61st Avenue	522-2	Add concrete ramps on the NE and NW (note: driveways in corners)	17	\$40.01	SY	\$689.06
	527-1	Add detectable warning pads (embedded) on the NE and NW (note: driveways in corners)	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalks on the east and west legs	124	\$1.51	LF	\$187.24
<b>SW 5th Street</b>						
SW 61st Avenue	711-11-123, 711-11-125	Install ladder crosswalk on the north leg	32	\$8.63	LF	\$276.16
	700-20-11	Install school crossing signs on the NW and NE corners (double sided - see item below)	2	\$275.90	AS	\$551.80
	700-48-18	Install additional school crossing assembly signs to the new posts	4	\$407.16	EA	\$1,628.64
	700-20-11	Install school crossing ahead signs north and south of 5th Street	2	\$275.90	AS	\$551.80
	522-2	Add concrete ramp on the NW corner	8	\$40.01	SY	\$311.19
	527-1	Add detectable warning pad (embedded) on the NW corner	1	\$423.55	EA	\$423.55
	700-48-58	Replace existing pedestrian sign on the SE corner (double sided) with school crossing sign	4	\$249.38	EA	\$997.52
	711-12-123, 711-11-125	Replace existing crosswalk with ladder type crosswalk on the east leg	40	\$9.19	LF	\$367.60
SW 60th Court	522-2	Add concrete ramps on the SE and SW corners (note: driveways on corners)	10	\$40.01	SY	\$400.10
	527-1	Add detectable warning pads (embedded) on the SE and SW corners (note: driveways on corners)	2	\$423.55	EA	\$847.10

**Fairlawn Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	711-11-123	Add crosswalk on the south leg	104	\$1.51	LF	\$157.04
SW 60th Avenue	522-2	Add concrete ramps on all 4 corners	37	\$40.01	SY	\$1,467.03
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123, 711-11-125	Add ladder crosswalk on the east leg	37	\$8.63	LF	\$319.31
SW 59th Avenue	522-2	Add concrete ramps on all four corners (note: driveway on NE corner)	26	\$40.01	SY	\$1,022.48
	527-1	Add detectable warning pads (embedded) on all four corners (note: driveway on NE corner)	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	166	\$1.51	LF	\$250.66
SW 58th Avenue	522-2	Add concrete ramps on all four corners	22	\$40.01	SY	\$866.88
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs (note: drainage inlets on the SE and SW corners)	144	\$1.51	LF	\$217.44
SW 57th Avenue	711-12-123	Restripe crosswalk on the east leg	96	\$1.79	LF	\$171.84
	110-4	Sidewalk removal on the NE, NW and SW corners in preparation for the placement of detectable warning pads (embedded)	3	\$24.84	SY	\$82.80
	522-2	Add concrete ramps on the NE, NW and SW corners in preparation for the placement of detectable warning pads (embedded)	3	\$40.01	SY	\$133.37
	527-1	Replace detectable warning pads (embedded) on the NE, NW and SW corners	3	\$423.55	EA	\$1,270.65
SW 56th Avenue	711-11-123	Add crosswalk on the west leg	86	\$1.51	LF	\$129.86
<b>SW/NW 60th Avenue</b>						
SW 7th Street	522-2	Add concrete ramps on the SE and NE corners	13	\$40.01	SY	\$511.24
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	64	\$1.51	LF	\$96.64
SW 6th Street	522-2	Add concrete ramps on the SE and NE corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	80	\$1.51	LF	\$120.80
	522-2	Add concrete ramps on the SW and NW corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the west leg	86	\$1.51	LF	\$129.86
SW 5th Terrace	522-2	Add concrete ramps on the SE and NE corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	68	\$1.51	LF	\$102.68
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
SW 4th Street	522-2	Add concrete ramp on the SW and SE corners (note: drainage inlet on the SE corner)	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the SW and SE corners (note: drainage inlet on the SE corner)	2	\$423.55	EA	\$847.10
	522-2	Add concrete ramp on the NE corner	7	\$40.01	SY	\$266.73
	527-1	Add detectable warning pads (embedded) on the NE corner	1	\$423.55	EA	\$423.55
	522-1	Install sidewalk between SW 4th Street and SW 3rd Street on the east side (approximately 5 by 250 feet)	139	\$36.56	SY	\$5,077.78
SW 3rd Street	110-4	Sidewalk removal on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the NW corner	1	\$423.55	EA	\$423.55
SW 2nd Terrace	522-2	Add concrete ramps on the SE and NE corners	8	\$40.01	SY	\$311.19
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalks on the east leg	70	\$1.51	LF	\$105.70



**Fairlawn Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
SW 2nd Street	522-2	Add concrete ramps on the SE and NE corners	12	\$40.01	SY	\$466.78
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalks on the east leg	64	\$1.51	LF	\$96.64
Flagler Street	110-4	Sidewalk removal on the NW and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NW and NE corners	2	\$423.55	EA	\$847.10
NW 2nd Street	522-2	Add concrete ramps on all 4 corners	26	\$40.01	SY	\$1,022.48
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the east and west legs (note: drainage inlets on all 4 corners)	184	\$1.51	LF	\$277.84
NW 3rd Street	522-2	Add concrete ramps on all 4 corners	28	\$40.01	SY	\$1,111.39
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on east and west legs	134	\$1.51	LF	\$202.34
<b>SW 60th Avenue</b>						
SW 4th Street	700-48-58	Replace existing "End School Zone" sign north of SW 4th Street on the east side	1	\$249.38	EA	\$249.38
	700-48-58	Replace school speed limit assembly north of SW 4th Street on the west side	1	\$249.38	EA	\$249.38
SW 2nd Street	700-48-58	Replace existing "Speed Zone Ahead" sign south of SW 2nd Street on the west side with S4-5 sign per current MUTCD	1	\$249.38	EA	\$249.38
<b>NW/SW 62nd Avenue</b>						
NW 2nd Street	700-48-58	Replace existing pedestrian crossing signs on all 4 legs (7 signs) with school crossing signs	7	\$249.38	EA	\$1,745.66
	700-20-11	Add school crossing sign on north leg facing NB	1	\$275.90	AS	\$275.90
Flagler St	690-20	Remove existing pedestrian signal heads the east, west, and south legs (4 signals)	4	\$50.96	EA	\$203.84
	653-191	Install countdown signal heads on the east, west, and south legs (4 signals)	4	\$733.83	AS	\$2,935.32
	665-11	Install push buttons and pedestrian actuation/educational signs on the east, west, and south legs	4	\$169.82	EA	\$679.28
	711-12-123, 711-11-125	Restripe all four crosswalks to provide ladder type crosswalks	250	\$9.19	LF	\$2,297.50
SW 6th Street	700-48-58	Replace pedestrian crossing signs on the east and west legs (4 signs) with school crossing signs	4	\$249.38	EA	\$997.52
<b>NW 2nd Street</b>						
NW 65th Avenue	711-11-123	Add crosswalks on the north and south legs	174	\$1.51	LF	\$262.74
NW 64th Court	711-11-123	Add crosswalks on the north and south legs	172	\$1.51	LF	\$259.72
NW 64th Avenue	110-4	Sidewalk removal on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on NW corner	1	\$423.55	EA	\$423.55
	711-11-123	Add crosswalks on the north and south legs	240	\$1.51	LF	\$362.40
NW 63rd Avenue	700-48-58	Replace pedestrian crossing signs with school crossing signs on all 4 legs	6	\$249.38	EA	\$1,496.28
	700-20-11	Install school crossing signs on all legs exiting roundabout	5	\$275.90	AS	\$1,379.50
NW 62nd Court	711-11-123	Add crosswalks on the north and south legs	152	\$1.51	LF	\$229.52
NW 60th Avenue		Improvements previously listed				
NW 59th Court	522-2	Add concrete ramps on all 4 corners	23	\$40.01	SY	\$933.57
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	200	\$1.51	LF	\$302.00
NW 59th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82

**Fairlawn Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
NW 58th Court	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	120	\$1.51	LF	\$181.20
NW 58th Avenue	700-48-58	Replace pedestrian crossing signs with school crossing signs on all 4 legs	8	\$249.38	EA	\$1,995.04
	700-20-11	Install school crossing signs on all legs exiting roundabout	4	\$275.90	AS	\$1,103.60
NW 57th Court	522-2	Add concrete ramps on all 4 corners	28	\$40.01	SY	\$1,111.39
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south	170	\$1.51	LF	\$256.70
<b>SW 2nd Terrace</b>						
SW 59th Avenue	522-2	Add concrete ramps on all 4 corners	16	\$40.01	SY	\$622.38
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the south and north legs	180	\$1.51	LF	\$271.80
SW 58th Avenue	522-2	Add concrete ramps on all 4 corners	17	\$40.01	SY	\$689.06
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the south and north legs	116	\$1.51	LF	\$175.16
Flagler St	<b>Pedestrian Crossing west of 60th Avenue</b>					
	711-11-123, 711-11-125	Add a ladder crosswalk	55	\$8.63	LF	\$474.65
	690-20	Remove existing pedestrian signal heads on both sides	2	\$50.96	EA	\$101.92
	653-191	Install countdown signal heads on both sides	2	\$733.83	AS	\$1,467.66
	665-11	Install push buttons and pedestrian actuation/educational signs on both sides	2	\$169.82	EA	\$339.64
	700-48-58	Replace pedestrian crossing sign on south side facing eastbound with school crossing sign	1	\$249.38	EA	\$249.38
	110-4	Remove concrete sidewalks on the north and south sides	8	\$24.84	SY	\$193.20
	522-2	Add concrete ramp on the north and south sides	8	\$40.01	SY	\$311.19
	527-1	Add detectable warning pads (embedded) on the north and south sides	2	\$423.55	EA	\$847.10
	700-48-18	Add arrow plaque to north side sign facing westbound traffic	1	\$407.16	EA	\$407.16
SW 57th Avenue	<b>Pedestrian Crossing North of SW 5th Street</b>					
	110-4	Sidewalk removal on the east side in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the east side in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Replace detectable warning pad (embedded) on the east side	1	\$423.55	EA	\$423.55
	690-20	Remove existing pedestrian signal heads on both sides	2	\$50.96	EA	\$101.92
	653-191	Install countdown signal heads on both sides	2	\$733.83	AS	\$1,467.66
	665-11	Install push buttons and pedestrian actuation/educational signs on both sides	2	\$169.82	EA	\$339.64
Construction Cost						\$98,647.07
Maintenance of Traffic (10%)						\$9,864.71
Mobilization (10%)						\$9,864.71
Sub Total						\$118,376.49
Contingency (15%)						\$17,756.47
Total Construction Cost						\$136,132.96
PE (15%)						\$20,419.94



Fairlawn Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
CEI (15%)						\$20,419.94
Grand Total						\$176,972.85

**James H. Bright Elementary**



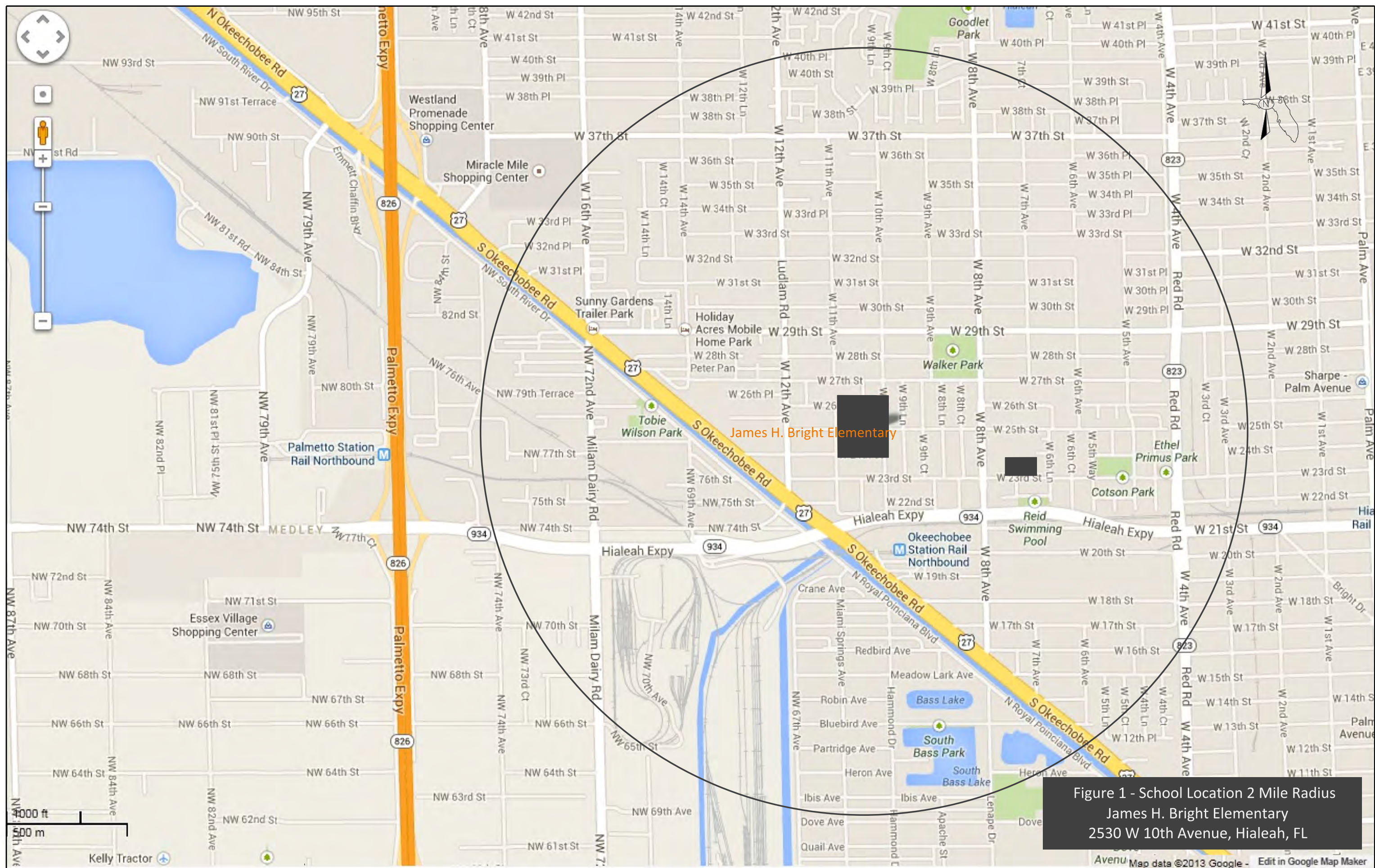
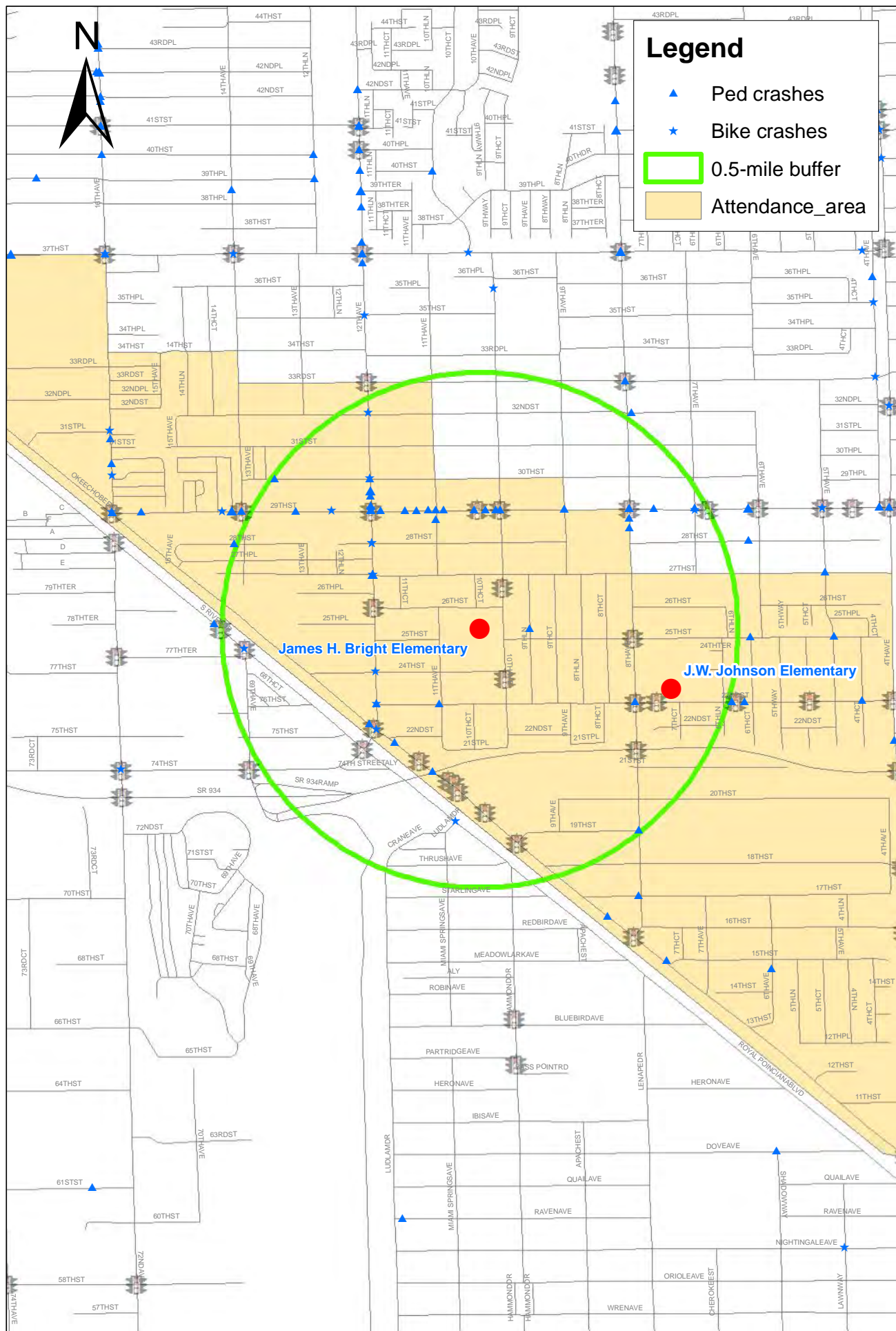




Figure 2: James H. Bright/J W Johnson Elementary School Attendance Area and Crash Data (2005-2011)





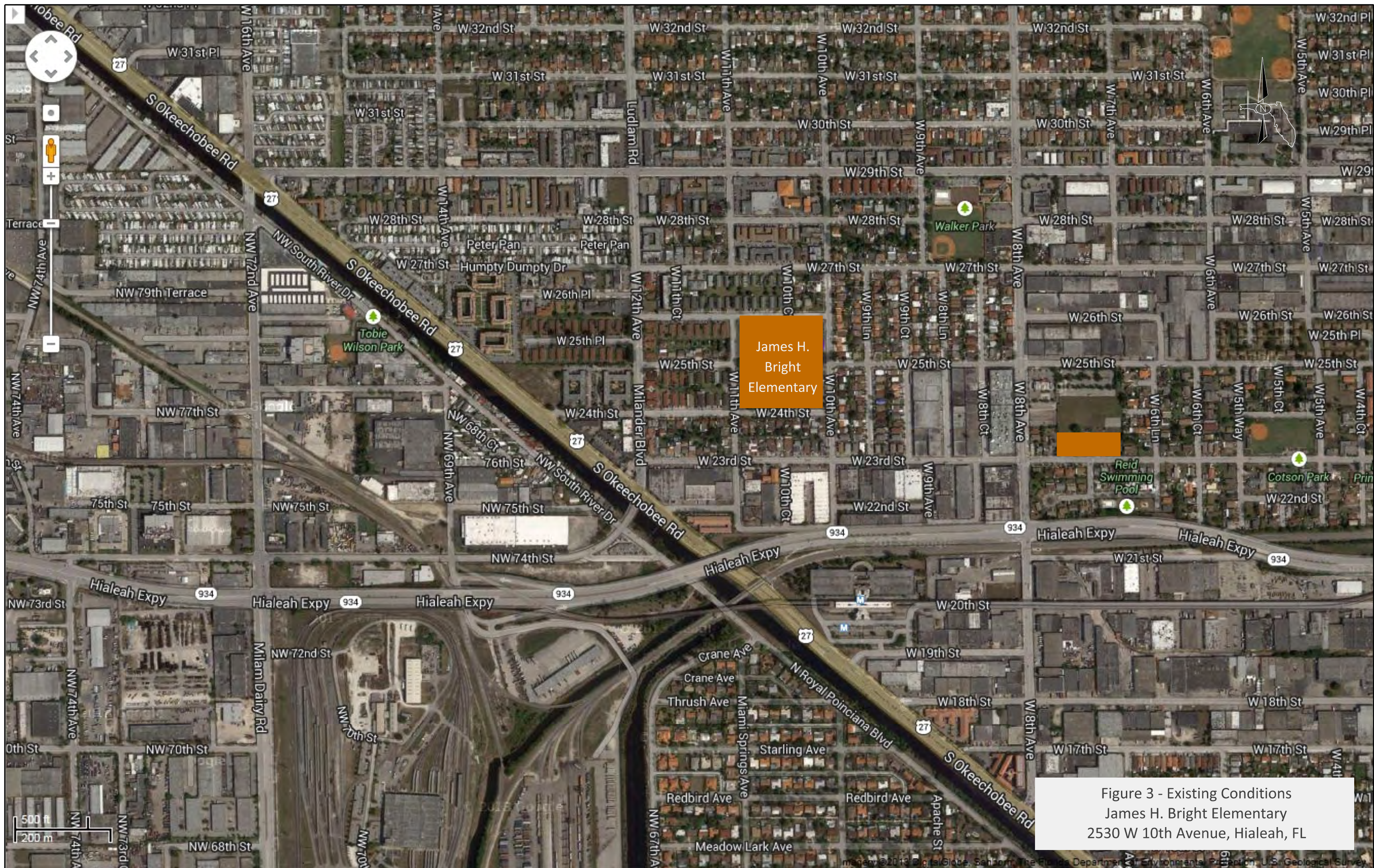
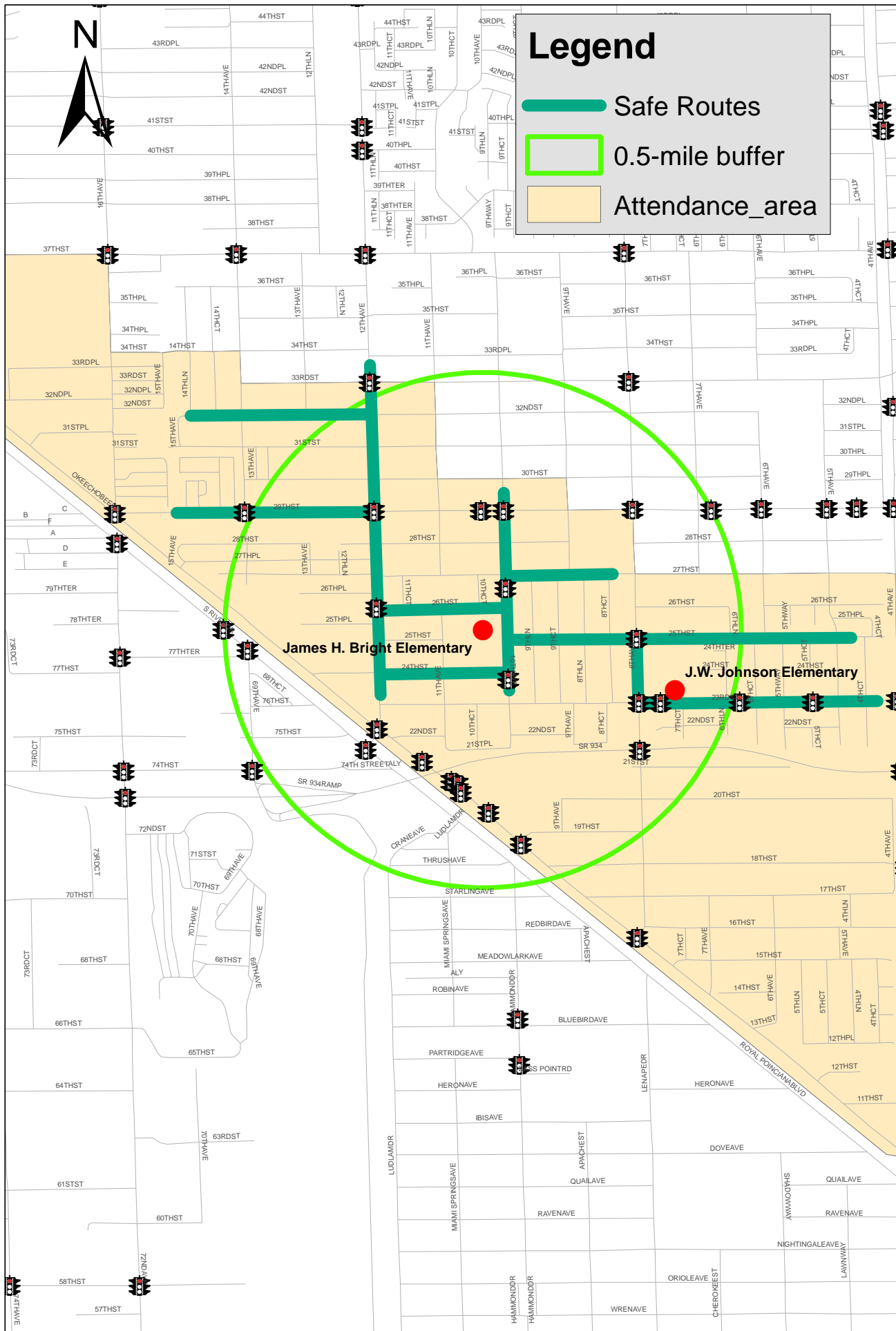


Figure 3 - Existing Conditions  
James H. Bright Elementary  
2530 W 10th Avenue, Hialeah, FL



Figure 4: James H. Bright\J W Johnson Elementary School  
Safe Routes to School Plan





**James H Bright Elementary School - Opinion of Probable Cost (DRAFT)**  
**Note: Hialeah street names are used**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
<b>W 23rd Street</b>						
W 4th Court	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	140	\$1.51	LF	\$211.40
W 5th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	156	\$1.51	LF	\$235.56
Pedestrian crossing west of W 5th Avenue	110-4	Remove concrete sidewalk on the north and south sides	13	\$24.84	SY	\$331.20
	522-2	Add concrete ramps on the north and south sides	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the north and south sides	2	\$423.55	EA	\$847.10
W 5th Way	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on north and south	194	\$1.51	LF	\$292.94
W 6th Court	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	140	\$1.51	LF	\$211.40
W 6th Lane	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	106	\$1.51	LF	\$160.06
Flashers west of W 6th lane	700-48-58	Replace school zone and school speed limit signs on the mast arm with fluorescent signs	2	\$249.38	EA	\$498.76
	700-48-58	Replace school plaque on the school speed limit assembly with fluorescent sign	2	\$249.38	EA	\$498.76
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
W 7th Court	110-4	Remove concrete sidewalk on the north side	9	\$24.84	SY	\$220.80
	522-2	Add concrete ramp on the north side	9	\$40.01	SY	\$355.64
	527-1	Add detectable warning pad (embedded) on the north side	1	\$423.55	EA	\$423.55
	700-48-58	Replace school crossing signs with fluorescent signs on the north and south side	2	\$249.38	EA	\$498.76
	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
West of W 7th Court	700-48-58	Replace 'school' plaque on school speed limit assembly with fluorescent sign (2 signs)	2	\$249.38	EA	\$498.76
Flashers east of W 8th Lane	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
	700-48-58	Replace pedestrian crossing signs on all four approaches (4 signs) with fluorescent school crossing signs	4	\$249.38	EA	\$997.52
	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82

**James H Bright Elementary School - Opinion of Probable Cost (DRAFT)**  
**Note: Hialeah street names are used**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
W 8th Avenue	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	690-20	Remove existing pedestrian signal heads on the north and south legs	4	\$50.96	EA	\$203.84
	653-191	Install countdown signal heads on the north and south legs	4	\$733.83	AS	\$2,935.32
	665-11	Install push buttons and pedestrian actuation/educational signs on the north and south legs	4	\$169.82	EA	\$679.28
<b>W 25th Street</b>						
Note: Safe Route is recommended on the south side (No sidewalk on the north side from W 8th Avenue to W 6th Avenue)						
W 4th Court	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	140	\$1.51	LF	\$211.40
W 5th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all four corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	164	\$1.51	LF	\$247.64
W 5th Court	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	88	\$1.51	LF	\$132.88
W 5th Way	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	76	\$1.51	LF	\$114.76
W 6th Avenue	522-2	Add concrete ramp on the SE corner	9	\$40.01	SY	\$355.64
	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) on the NE and SE corner	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	78	\$1.51	LF	\$117.78
	700-20-11	Add school crossing signs at the crosswalk facing eastbound and westbound traffic	2	\$275.90	AS	\$551.80
	700-20-11	Add school crossing ahead signs facing eastbound and westbound traffic	2	\$275.90	AS	\$551.80
W 6th Court	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	72	\$1.51	LF	\$108.72
W 6th lane	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	50	\$1.51	LF	\$75.50
West of W 6th Lane	700-48-58	Replace 'school' plaque on School Speed Limit assembly on the north side facing westbound traffic with fluorescent plaque	1	\$249.38	EA	\$249.38
East of W 8th Avenue	700-48-58	Replace 'school' plaque on School Speed Limit assembly east of W 8th Avenue facing eastbound traffic with fluorescent plaque.	1	\$249.38	EA	\$249.38
	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82



**James H Bright Elementary School - Opinion of Probable Cost (DRAFT)**  
**Note: Hialeah street names are used**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
W 8th Avenue	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	700-48-58	Replace school crossing signs on the NW and SE corners with fluorescent signs	2	\$249.38	EA	\$498.76
	690-20	Remove existing pedestrian signal heads on the north and south legs	4	\$50.96	EA	\$203.84
	653-191	Install countdown signal heads on the north and south legs	4	\$733.83	AS	\$2,935.32
	665-11	Install push buttons and pedestrian actuation/educational signs on the north and south legs	4	\$169.82	EA	\$679.28
	700-48-58	Replace school crossing ahead sign on W 8th Avenue (north and south of the intersection) with fluorescent signs	4	\$249.38	EA	\$997.52
Note: No sidewalk on the south side west of W 8th Avenue						
W 8th Court	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
W 8th Lane	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
W 9th Court	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
W 9th Lane	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
West of W 9th Lane	700-48-58	Replace school speed limit assembly on the north side with fluorescent sign	4	\$249.38	EA	\$997.52
W 10th Avenue	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-12-123, 711-11-125	Restripe crosswalk on the north leg to provide ladder type crosswalk	30	\$9.19	LF	\$275.70
		Trim tree on the NE corner (maintenance)	Maintenance			
W 24th Street						
W 10th Avenue	110-4	Sidewalk removal on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
W 11th Avenue	711-12-123	Restripe crosswalk on the north leg	102	\$1.79	LF	\$182.58
	711-12-123, 711-11-125	Restripe ladder type crosswalk on the east leg	35	\$9.19	LF	\$321.65
	522-2	Add concrete ramps on the SE and NE corner	19	\$40.01	SY	\$777.97
	527-1	Add detectable warning pads (embedded) on the SE and NE corner	2	\$423.55	EA	\$847.10
	700-48-58	Replace school crossing signs on the SE and NE corners	4	\$249.38	EA	\$997.52
	700-48-58	Replace school speed limit assembly north of W 24th Street on the east side	4	\$249.38	EA	\$997.52
W 12th Avenue	711-12-123	Restripe crosswalk on the west leg	130	\$1.79	LF	\$232.70
W 25th Street						
W 11th Avenue	700-48-58	Replace school speed limit assembly at W 25th Street on the east side	4	\$249.38	EA	\$997.52
W 26th Street						
	110-4	Sidewalk removal on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91

**James H Bright Elementary School - Opinion of Probable Cost (DRAFT)**  
**Note: Hialeah street names are used**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
W 10th Avenue	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	700-48-58	Replace school crossing sign on the SW corner with fluorescent sign	1	\$249.38	EA	\$249.38
	700-48-58	Replace school crossing on the SW corner	1	\$249.38	EA	\$249.38
	700-20-11	Add school zone sign on the SW corner facing southbound traffic with fluorescenet School Speed Limit Assembly Sign	1	\$275.90	AS	\$275.90
W 11th Avenue	700-48-58	Replace 'school' plaque on School Speed Limit assembly on the SW, SE, and NE corners	3	\$249.38	EA	\$748.14
W 12th Avenue	690-20	Remove existing pedestrian signal heads on the south and east legs	4	\$50.96	EA	\$203.84
	653-191	Install countdown signal heads on the south and east legs	4	\$733.83	AS	\$2,935.32
	665-11	Install push buttons and pedestrian actuation/educational signs on the east and south legs	4	\$169.82	EA	\$679.28
	110-4	Remove concrete sidewalk on the NW and SW corners	13	\$24.84	SY	\$331.20
	522-2	Add concrete ramps on the NW and SW corners	13	\$40.01	SY	\$533.47
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
<b>W 27th Street</b>						
W 8th Court	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on SE and SW corners	2	\$423.55	EA	\$847.10
W 8th Lane	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on SE and SW corners	2	\$423.55	EA	\$847.10
W 9th Avenue	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on NE and NW corners	2	\$423.55	EA	\$847.10
W 9th Court	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on SE and SW corners	2	\$423.55	EA	\$847.10
W 9th Lane	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on SE and SW corners	2	\$423.55	EA	\$847.10
W 10th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
<b>W 10th Avenue</b>						
W 23rd Street	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
South of W 27th Street	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
W 28th Street	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10



**James H Bright Elementary School - Opinion of Probable Cost (DRAFT)**  
**Note: Hialeah street names are used**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
W 29th Street	711-12-123, 711-11-125	Replace existing crosswalks on all 4 legs with ladder crosswalks	190	\$9.19	LF	\$1,746.10
	690-20	Remove existing pedestrian signal heads	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs	8	\$169.82	EA	\$1,358.56
<b>W 12th Avenue</b>						
W 23rd Street	711-12-123	Restripe crosswalk on the east leg	160	\$1.79	LF	\$286.40
	110-4	Sidewalk removal on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and SE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
W 25th Street	110-4	Sidewalk removal on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the SE corner	1	\$423.55	EA	\$423.55
North of W 25th Street	700-48-58	Replace school crossing sign facing northbound with fluorescent advance school crossing sign	1	\$249.38	EA	\$249.38
W 28th Street	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on NE corner	1	\$423.55	EA	\$423.55
W 29th Street	690-20	Remove existing pedestrian signal heads on the north, west, and south legs	6	\$50.96	EA	\$305.76
	653-191	Install countdown signal heads on the north, west, and south legs	6	\$733.83	AS	\$4,402.98
	665-11	Install push buttons and pedestrian actuation/educational signs on the north, west, and south legs	6	\$169.82	EA	\$1,018.92
	711-12-123, 711-11-125	Restripe all crosswalks to ladder type	256	\$9.19	LF	\$2,352.64
W 30th Street	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the NE corner	1	\$423.55	EA	\$423.55
W 31st Street	110-4	Sidewalk removal on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the SE corner	1	\$423.55	EA	\$423.55
W 32nd Street	110-4	Sidewalk removal on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SW corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the SW corner	1	\$423.55	EA	\$423.55
<b>W 32nd Street</b>						
W 13th Avenue	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
W 14th Avenue	110-4	Sidewalk removal on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners in preparation for the placement of detectable warning pads (embedded)	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
W 14th Court	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
W 14th Lane	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91

James H Bright Elementary School - Opinion of Probable Cost (DRAFT)  
Note: Hialeah street names are used

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
W 29th Street						
W 14th Avenue	653-191	Add countdown signal heads on all 4 corners	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs on all four corners	8	\$169.82	EA	\$1,358.56
	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
Construction Cost						\$113,319.67
Maintenance of Traffic (10%)						\$11,331.97
Mobilization (10%)						\$11,331.97
Sub Total						\$135,983.61
Contingency (15%)						\$20,397.54
Total Construction Cost						\$156,381.15
PE (15%)						\$23,457.17
CEI (15%)						\$23,457.17
Grand Total						\$203,295.49



# **Kinloch Park Elementary and Middle Schools**



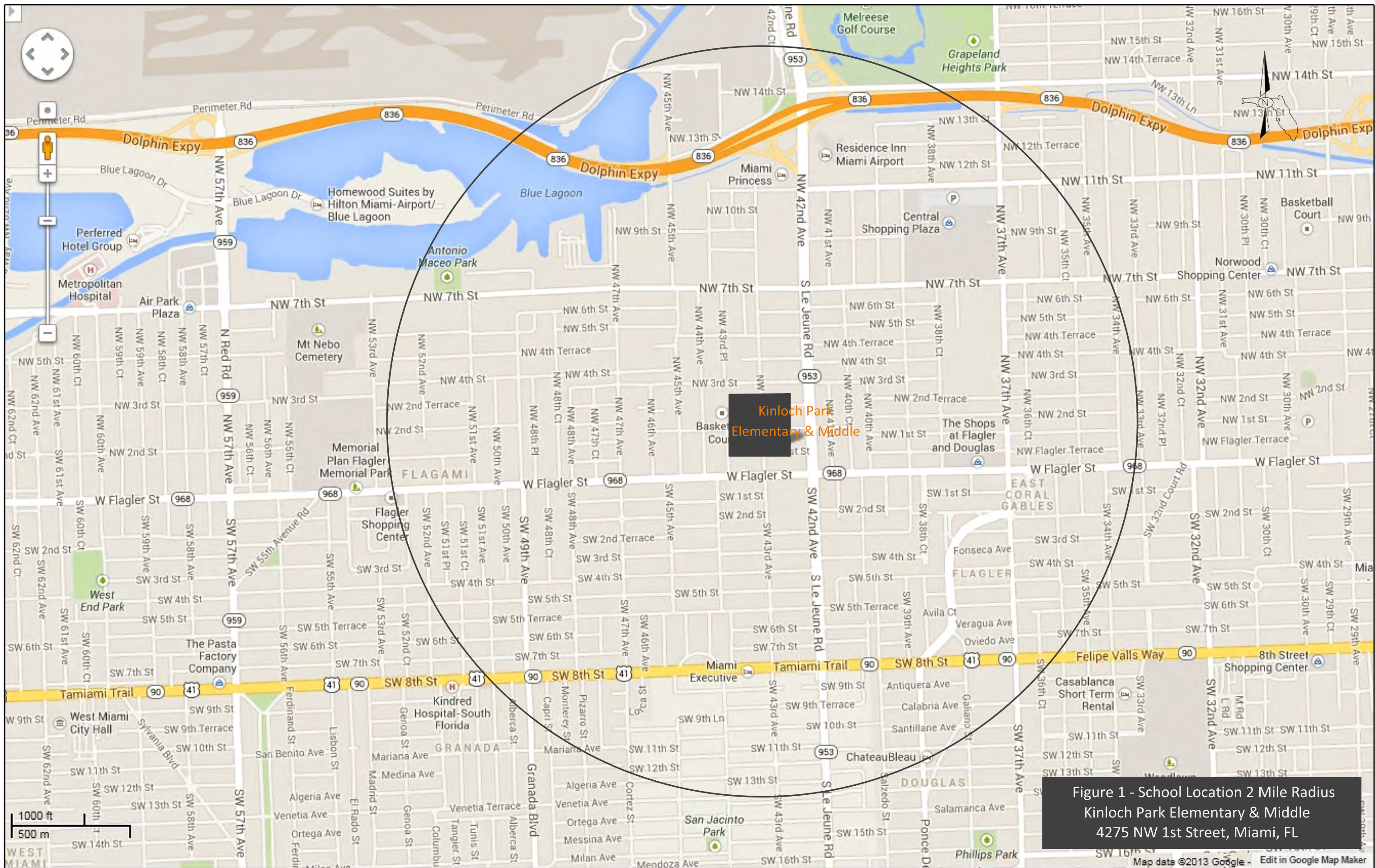


Figure 1 - School Location 2 Mile Radius  
Kinloch Park Elementary & Middle  
4275 NW 1st Street, Miami, FL



Figure 2: Kinloch Park Elementary and Middle Schools  
Attendance Area and Crash Data (2005-2011)

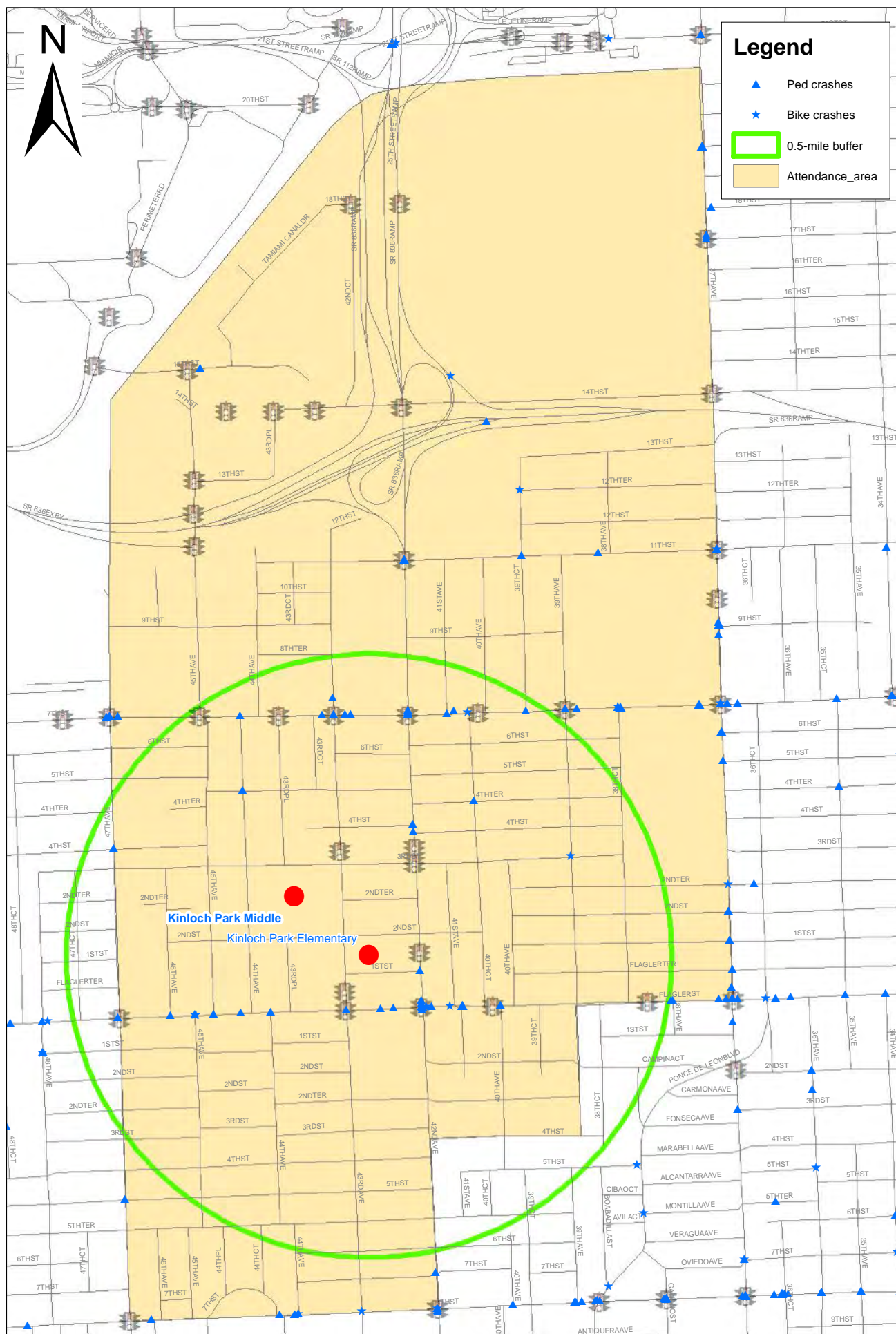






Figure 3 - Existing Conditions  
Kinloch Park Elementary & Middle  
4275 NW 1st Street, Miami, FL



This map displays the attendance areas for Kinloch Park Middle and Kinloch Park Elementary. The map includes a legend with three items: a thick green line for 'Safe Routes', a light green shaded area for '0.5-mile buffer', and a light orange shaded area for 'Attendance\_area'. The map shows a grid of streets with various labels such as 1STST, 2NDST, 3RDST, 4THST, 5THST, 6THST, 7THST, 8THST, 9THST, 10THST, 11THST, 12THST, 13THST, 14THST, 15THST, 16THST, 17THST, 18THST, 19THST, 20THST, 21ST, 22ND, 23RD, 24TH, 25TH, 26TH, 27TH, 28TH, 29TH, 30TH, 31ST, 32ND, 33RD, 34TH, 35TH, 36TH, 37TH, 38TH, 39TH, 40TH, 41ST, 42ND, 43RD, 44TH, 45TH, 46TH, 47TH, 48TH, 49TH, 50TH, 51ST, 52ND, 53RD, 54TH, 55TH, 56TH, 57TH, 58TH, 59TH, 60TH, 61ST, 62ND, 63RD, 64TH, 65TH, 66TH, 67TH, 68TH, 69TH, 70TH, 71ST, 72ND, 73RD, 74TH, 75TH, 76TH, 77TH, 78TH, 79TH, 80TH, 81ST, 82ND, 83RD, 84TH, 85TH, 86TH, 87TH, 88TH, 89TH, 90TH, 91ST, 92ND, 93RD, 94TH, 95TH, 96TH, 97TH, 98TH, 99TH, 100TH, 101ST, 102ND, 103RD, 104TH, 105TH, 106TH, 107TH, 108TH, 109TH, 110TH, 111ST, 112ND, 113RD, 114TH, 115TH, 116TH, 117TH, 118TH, 119TH, 120TH, 121ST, 122ND, 123RD, 124TH, 125TH, 126TH, 127TH, 128TH, 129TH, 130TH, 131ST, 132ND, 133RD, 134TH, 135TH, 136TH, 137TH, 138TH, 139TH, 140TH, 141ST, 142ND, 143RD, 144TH, 145TH, 146TH, 147TH, 148TH, 149TH, 150TH, 151ST, 152ND, 153RD, 154TH, 155TH, 156TH, 157TH, 158TH, 159TH, 160TH, 161ST, 162ND, 163RD, 164TH, 165TH, 166TH, 167TH, 168TH, 169TH, 170TH, 171ST, 172ND, 173RD, 174TH, 175TH, 176TH, 177TH, 178TH, 179TH, 180TH, 181ST, 182ND, 183RD, 184TH, 185TH, 186TH, 187TH, 188TH, 189TH, 190TH, 191ST, 192ND, 193RD, 194TH, 195TH, 196TH, 197TH, 198TH, 199TH, 200TH, 201ST, 202ND, 203RD, 204TH, 205TH, 206TH, 207TH, 208TH, 209TH, 210TH, 211ST, 212ND, 213RD, 214TH, 215TH, 216TH, 217TH, 218TH, 219TH, 220TH, 221ST, 222ND, 223RD, 224TH, 225TH, 226TH, 227TH, 228TH, 229TH, 230TH, 231ST, 232ND, 233RD, 234TH, 235TH, 236TH, 237TH, 238TH, 239TH, 240TH, 241ST, 242ND, 243RD, 244TH, 245TH, 246TH, 247TH, 248TH, 249TH, 250TH, 251ST, 252ND, 253RD, 254TH, 255TH, 256TH, 257TH, 258TH, 259TH, 260TH, 261ST, 262ND, 263RD, 264TH, 265TH, 266TH, 267TH, 268TH, 269TH, 270TH, 271ST, 272ND, 273RD, 274TH, 275TH, 276TH, 277TH, 278TH, 279TH, 280TH, 281ST, 282ND, 283RD, 284TH, 285TH, 286TH, 287TH, 288TH, 289TH, 290TH, 291ST, 292ND, 293RD, 294TH, 295TH, 296TH, 297TH, 298TH, 299TH, 300TH, 301ST, 302ND, 303RD, 304TH, 305TH, 306TH, 307TH, 308TH, 309TH, 310TH, 311ST, 312ND, 313RD, 314TH, 315TH, 316TH, 317TH, 318TH, 319TH, 320TH, 321ST, 322ND, 323RD, 324TH, 325TH, 326TH, 327TH, 328TH, 329TH, 330TH, 331ST, 332ND, 333RD, 334TH, 335TH, 336TH, 337TH, 338TH, 339TH, 340TH, 341ST, 342ND, 343RD, 344TH, 345TH, 346TH, 347TH, 348TH, 349TH, 350TH, 351ST, 352ND, 353RD, 354TH, 355TH, 356TH, 357TH, 358TH, 359TH, 360TH, 361ST, 362ND, 363RD, 364TH, 365TH, 366TH, 367TH, 368TH, 369TH, 370TH, 371ST, 372ND, 373RD, 374TH, 375TH, 376TH, 377TH, 378TH, 379TH, 380TH, 381ST, 382ND, 383RD, 384TH, 385TH, 386TH, 387TH, 388TH, 389TH, 390TH, 391ST, 392ND, 393RD, 394TH, 395TH, 396TH, 397TH, 398TH, 399TH, 400TH, 401ST, 402ND, 403RD, 404TH, 405TH, 406TH, 407TH, 408TH, 409TH, 410TH, 411ST, 412ND, 413RD, 414TH, 415TH, 416TH, 417TH, 418TH, 419TH, 420TH, 421ST, 422ND, 423RD, 424TH, 425TH, 426TH, 427TH, 428TH, 429TH, 430TH, 431ST, 432ND, 433RD, 434TH, 435TH, 436TH, 437TH, 438TH, 439TH, 440TH, 441ST, 442ND, 443RD, 444TH, 445TH, 446TH, 447TH, 448TH, 449TH, 450TH, 451ST, 452ND, 453RD, 454TH, 455TH, 456TH, 457TH, 458TH, 459TH, 460TH, 461ST, 462ND, 463RD, 464TH, 465TH, 466TH, 467TH, 468TH, 469TH, 470TH, 471ST, 472ND, 473RD, 474TH, 475TH, 476TH, 477TH, 478TH, 479TH, 480TH, 481ST, 482ND, 483RD, 484TH, 485TH, 486TH, 487TH, 488TH, 489TH, 490TH, 491ST, 492ND, 493RD, 494TH, 495TH, 496TH, 497TH, 498TH, 499TH, 500TH, 501ST, 502ND, 503RD, 504TH, 505TH, 506TH, 507TH, 508TH, 509TH, 510TH, 511ST, 512ND, 513RD, 514TH, 515TH, 516TH, 517TH, 518TH, 519TH, 520TH, 521ST, 522ND, 523RD, 524TH, 525TH, 526TH, 527TH, 528TH, 529TH, 530TH, 531ST, 532ND, 533RD, 534TH, 535TH, 536TH, 537TH, 538TH, 539TH, 540TH, 541ST, 542ND, 543RD, 544TH, 545TH, 546TH, 547TH, 548TH, 549TH, 550TH, 551ST, 552ND, 553RD, 554TH, 555TH, 556TH, 557TH, 558TH, 559TH, 560TH, 561ST, 562ND, 563RD, 564TH, 565TH, 566TH, 567TH, 568TH, 569TH, 570TH, 571ST, 572ND, 573RD, 574TH, 575TH, 576TH, 577TH, 578TH, 579TH, 580TH, 581ST, 582ND, 583RD, 584TH, 585TH, 586TH, 587TH, 588TH, 589TH, 590TH, 591ST, 592ND, 593RD, 594TH, 595TH, 596TH, 597TH, 598TH, 599TH, 600TH, 601ST, 602ND, 603RD, 604TH, 605TH, 606TH, 607TH, 608TH, 609TH, 610TH, 611ST, 612ND, 613RD, 614TH, 615TH, 616TH, 617TH, 618TH, 619TH, 620TH, 621ST, 622ND, 623RD, 624TH, 625TH, 626TH, 627TH, 628TH, 629TH, 630TH, 631ST, 632ND, 633RD, 634TH, 635TH, 636TH, 637TH, 638TH, 639TH, 640TH, 641ST, 642ND, 643RD, 644TH, 645TH, 646TH, 647TH, 648TH, 649TH, 650TH, 651ST, 652ND, 653RD, 654TH, 655TH, 656TH, 657TH, 658TH, 659TH, 660TH, 661ST, 662ND, 663RD, 664TH, 665TH, 666TH, 667TH, 668TH, 669TH, 670TH, 671ST, 672ND, 673RD, 674TH, 675TH, 676TH, 677TH, 678TH, 679TH, 680TH, 6

Kinloch Park Elementary and Middle Schools - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 46 <sup>th</sup> Avenue						
NW 3 <sup>rd</sup> Street	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and SW corners (2 pads)	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the south leg	80	\$1.51	LF	\$120.80
NW/SW 45 <sup>th</sup> Avenue						
NW 9 <sup>th</sup> Street	110-4	Sidewalk removal on the SE, NE and NW corners in preparation for the placement of detectable warning pads (embedded)	3	\$24.84	SY	\$82.80
	522-2	Add concrete ramps on the SE, NE and NW corners in preparation for the placement of detectable warning pads (embedded)	3	\$40.01	SY	\$133.37
	527-1	Add detectable warning pads (embedded) on the SE, NE, and NW corners (3 pads)	3	\$423.55	EA	\$1,270.65
	522-2	Add sidewalks on the east side of NW 45 <sup>th</sup> Avenue, South of NW 9 <sup>th</sup> Street (approx. 220 ft) - Confirm available right-of-way	122	\$40.01	SY	\$4,890.11
NW 7 <sup>th</sup> Street	711-11-123, 711-11-125	Add a ladder type crosswalk on the south leg	60	\$8.63	LF	\$517.80
	653-191	Add pedestrian countdown signals (8 signal heads)	8	\$733.83	AS	\$5,870.64
	665-11	Install push buttons and pedestrian actuation/educational signs	8	\$169.82	EA	\$1,358.56
	711-12-123, 711-11-125	Restripe existing crosswalks on the west, north, and east legs to ladder type.	173	\$9.19	LF	\$1,589.87
	110-4	Sidewalk removal on the SW and SE corners	11	\$24.84	SY	\$276.00
	522-2	Add concrete ramps on the SW and SE corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
NW 4 <sup>th</sup> Street	711-11-123	Add a crosswalk to west leg	100	\$1.51	LF	\$151.00
	522-2	Add concrete ramps on the NW and SW corners	9	\$40.01	SY	\$377.87
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
NW 3 <sup>rd</sup> Street	522-2	Add concrete ramps on all 4 corners	33	\$40.01	SY	\$1,311.44
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on all 4 legs of the intersection (daycare on the northwest corner)	282	\$1.51	LF	\$425.82
Flagler Street	110-4	Sidewalk removal on the NW, NE, and SE corners	3	\$24.84	SY	\$82.80
	522-2	Add concrete ramps on the NW, NE, and SE corners	3	\$40.01	SY	\$133.37
	527-1	Add detectable warning pads (embedded) on the NW, NE, and SE corners (3 pads)	3	\$423.55	EA	\$1,270.65
SW 1 <sup>st</sup> Street	522-2	Add concrete ramps on the NW and SW corners	8	\$40.01	SY	\$333.42
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the west leg	100	\$1.51	LF	\$151.00
SW 2 <sup>nd</sup> Street	522-2	Add concrete ramps on the NW and SW corners	14	\$40.01	SY	\$577.92
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the west leg	58	\$1.51	LF	\$87.58
SW 3 <sup>rd</sup> Street		Trim trees on the NE and SE corners along sidewalk (maintenance)	Maintenance			
SW 4 <sup>th</sup> Street (roundabout)	700-48-58	Replace all pedestrian (arrow) signs with fluorescent signs on all 4 legs (8 signs)	8	\$249.38	EA	\$1,995.04
NW 44 <sup>th</sup> Avenue						
NW 3 <sup>rd</sup> Street	522-2	Add concrete ramps on all 4 corners	18	\$40.01	SY	\$711.29
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Crosswalks on the north and south legs	174	\$1.51	LF	\$262.74
	700-48-60	Remove existing "speed zone ahead" facing eastbound traffic (on the south side, east of NW 44th Ave)	1	\$113.59	EA	\$113.59
	700-20-11	Install S5-1 and R2-6P signs per current MUTCD facing eastbound traffic (on the south side, east of NW 44th Ave)	1	\$275.90	AS	\$275.90
Flagler Street	110-4	Sidewalk removal on all four corners	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners	4	\$40.01	SY	\$177.82
	527-1	Add detectable warning pads (embedded) on the all 4 corners (4 pads)	4	\$423.55	EA	\$1,694.20
NW 43 <sup>rd</sup> Place						



**Kinloch Park Elementary and Middle Schools - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 3 <sup>rd</sup> Street	700-48-58	Replace yellow plaques on school speed/time signs with fluorescent plaques on west and east legs (4 plaques)	4	\$249.38	EA	\$997.52
	700-48-58	Replace existing pedestrian crossing zone sign facing eastbound traffic (facing eastbound traffic)	1	\$249.38	EA	\$249.38
<b>NW/SW 43<sup>rd</sup> Avenue</b>						
SW 5 <sup>th</sup> Terrace	700-48-58	Replace pedestrian (arrow) signs with fluorescent signs (8 signs)	8	\$249.38	EA	\$1,995.04
SW 2 <sup>nd</sup> Terrace	522-2	Add concrete ramps on the SW and SE corners	9	\$40.01	SY	\$355.64
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the south leg (NOTE: Driveway on the NW corner)	76	\$1.51	LF	\$114.76
SW 2 <sup>nd</sup> Street	522-2	Add concrete ramps on the NW and SW corners	16	\$40.01	SY	\$644.61
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on west leg	72	\$1.51	LF	\$108.72
SW 1 <sup>st</sup> Street	522-2	Add concrete ramps on the NW and SW corners	16	\$40.01	SY	\$622.38
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on west leg	60	\$1.51	LF	\$90.60
Flagler Street	700-48-58	Replace school crossing signs with fluorescent signs on the north, west, and south legs (5 signs)	5	249.38	EA	\$1,246.90
	700-20-11	Add pedestrian crossing sign with arrow (S1-1 with W16-7P per MUTCD) on east leg (assembly)	1	275.9	AS	\$275.90
	690-20	Remove existing pedestrian signal heads (8 signals)	8	\$50.96	EA	\$407.68
	653-191	Install countdown signal heads (8 signals)	8	\$733.83	AS	\$5,870.64
	665-11	Add push buttons on north and south legs (east and west directions) (4 push buttons)	4	169.82	EA	\$679.28
	711-12-125	Refurbish existing ladder type crosswalks on all four legs	241	3.06	LF	\$737.46
NW 1 <sup>st</sup> Street	110-4	Remove concrete sidewalk on NE and SE corners	11	24.84	SY	\$276.00
	522-2	Add concrete ramps on the NE and SE corners	11	40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	700-48-58	Replace pedestrian signs with fluorescent signs on the NE and NW corners (2 signs)	2	249.38	EA	\$498.76
	700-48-58	Replace 'School' plaque on the existing School Speed Limit Assembly signs with fluorescent plaques on north, south, and east legs (6 plaques)	6	249.38	EA	\$1,496.28
	700-48-58	Replace pedestrian sign with fluorescent sign (sign located east of 43rd St)	1	249.38	EA	\$249.38
	700-20-60	Remove existing School Speed Limit with Times Assembly sign (inside school fence north of NW 1 St)	1	37.69	AS	\$37.69
NW 2 <sup>nd</sup> Street	700-48-58	Replace Pedestrian crossing sign on SE and NW corner with fluorescent signs (2 signs)	2	249.38	EA	\$498.76
	110-4	Remove concrete sidewalk on all four corners	22	24.84	SY	\$552.00
	522-2	Add concrete ramps on all four corners	22	40.01	SY	\$889.11
	527-1	Add detectable warning pads (embedded) on all four corners	4	423.55	EA	\$1,694.20
NW 2 <sup>nd</sup> Terrace	700-48-58	Replace Pedestrian crossing signs on SE and NW corner with fluorescent sings (2 signs)	2	249.38	EA	\$498.76
	110-4	Remove concrete sidewalk on all four corners	22	24.84	SY	\$552.00
	522-2	Add concrete ramps on all four corners	22	40.01	SY	\$889.11
	527-1	Add detectable warning pads (embedded) on all four corners	4	423.55	EA	\$1,694.20
NW 3 <sup>rd</sup> Street	110-4	Remove concrete sidewalk on all four corners	22	24.84	SY	\$552.00
	522-2	Add concrete ramps on all four corners	22	40.01	SY	\$889.11
	527-1	Add detectable warning pads (embedded) on all four corners	4	423.55	EA	\$1,694.20
NW 4 <sup>th</sup> Street	711-11-123	Add crosswalks on the east and west legs	194	1.51	LF	\$292.94
	700-48-58	Replace pedestrian sign on the SW corner with fluorescent sign	1	249.38	EA	\$249.38
NW 5 <sup>th</sup> Street	522-2	Add concrete ramps on the SE, SW and NW corners	25	40.01	SY	\$1,000.25
	527-1	Add detectable warning pads (embedded) on the SE, SW and NW corners	3	423.55	EA	\$1,270.65
	711-11-123	Add crosswalk on east and west legs	126	1.51	LF	\$190.26
NW 6 <sup>th</sup> Street	711-11-123	Add crosswalk on east leg	144	1.51	LF	\$217.44
NW 7th Street	665-11	Add push buttons on the north and south legs (east and west directions) (4 push buttons)	4	169.82	EA	\$679.28

Kinloch Park Elementary and Middle Schools - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 8 <sup>th</sup> Terrace	110-4	Sidewalk removal on the NW and SW corners	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	423.55	EA	\$847.10
NW 9 <sup>th</sup> Street	110-4	Sidewalk removal on the NW and SW corners	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and SW corners	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the west leg	84	1.51	LF	\$126.84
NW 42 <sup>nd</sup> Avenue						
3 <sup>rd</sup> Street	110-4	Sidewalk removal on all four corners	4	\$24.84	SY	\$110.40
	522-2	Add concrete ramps on all four corners	4	\$40.01	SY	\$177.82
	527-1	Replace detectable warning pads (embedded) on all 4 corners	4	423.55	EA	\$1,694.20
2 <sup>nd</sup> Street	110-4	Sidewalk removal on the SE corner	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the SE corner	1	\$40.01	SY	\$44.46
	527-1	Replace detectable warning pad (embedded) on SE corner	1	423.55	EA	\$423.55
Flagler Street	665-11	Add push buttons on east and west legs (north and south directions)	2	169.82	EA	\$339.64
	690-20	Remove existing pedestrian signal heads on the east and west legs (4 countdown signals)	4	\$50.96	EA	\$203.84
	653-191	Install countdown signal heads on the east and west legs (4 countdown signals)	4	\$733.83	AS	\$2,935.32
SW 2 <sup>nd</sup> Street	110-4	Sidewalk removal on the SE and NE corners	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and NE corners	2	\$40.01	SY	\$88.91
	527-1	Replace detectable warning pads (embedded) on NE and SE corners	2	423.55	EA	\$847.10
NW 40 <sup>th</sup> Court						
Flagler Street	110-4	Sidewalk removal on the NW and NE corners	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NW and NE corners	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NW and NE corners	2	423.55	EA	\$847.10
NW 2 <sup>nd</sup> Street	522-2	Add concrete ramps on the NW and SW corners	13	40.01	SY	\$511.24
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	423.55	EA	\$847.10
	711-11-123	Add crosswalk on the west leg	100	1.51	LF	\$151.00
NW 5 <sup>th</sup> Street (Roundabout)	711-11-123	Add crosswalk on the south leg	40	1.51	LF	\$60.40
	700-48-58	Replace pedestrian crossing signs with fluorescent signs on the west, north, and east legs (3 signs)	3	249.38	EA	\$748.14
	700-20-11	Add pedestrian crossing sign on south leg	1	275.9	AS	\$275.90
	522-2	Add concrete ramps on the SW and SE corners	12	40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	423.55	EA	\$847.10
NW 40 <sup>th</sup> Avenue						
NW 9 <sup>th</sup> Street	522-2	Add concrete ramps on all 4 corners	26	40.01	SY	\$1,044.71
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	174	1.51	LF	\$262.74
NW 7 <sup>th</sup> Street (Pedestrian Crossing)	700-48-58	Replace pedestrian crossing signs with fluorescent signs (2 signs)	2	249.38	EA	\$498.76
NW 39 <sup>th</sup> Avenue						
NW 3 <sup>rd</sup> Street	700-48-58	Replace pedestrian crossing signs with fluorescent signs on the north, west and south legs (3 signs)	3	249.38	EA	\$748.14
NW 2 <sup>nd</sup> Terrace	522-2	Add concrete ramps on all 4 corners	22	40.01	SY	\$889.11
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on east and west legs	196	1.51	LF	\$295.96
NW 2 <sup>nd</sup> Street	700-48-58	Replace pedestrian crossing signs on all four legs (4 signs)	4	249.38	EA	\$997.52
	522-2	Add concrete ramps on all 4 corners	22	40.01	SY	\$866.88

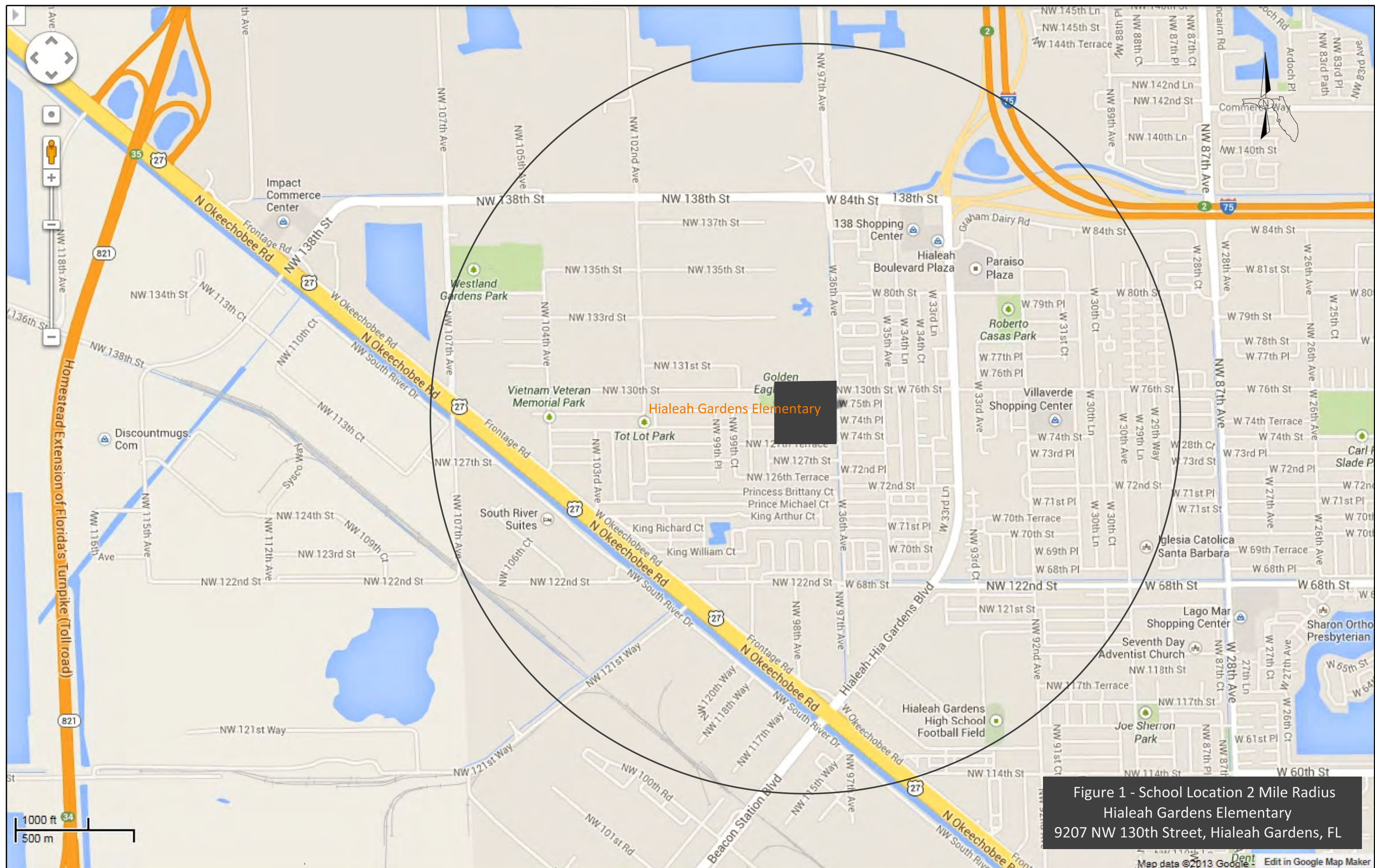


Kinloch Park Elementary and Middle Schools - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 1 <sup>st</sup> Street	527-1	Add detectable warning pads (embedded) on all 4 corners	4	423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on east and west legs	148	1.51	LF	\$223.48
NW Flagler Terrace	522-2	Add concrete ramps on all 4 corners	28	40.01	SY	\$1,111.39
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on east and west legs	120	1.51	LF	\$181.20
Construction Cost						\$97,533.33
Maintenance of Traffic (10%)						\$9,753.33
Mobilization (10%)						\$9,753.33
Sub Total						\$117,040.00
Contingency (15%)						\$17,556.00
Total Construction Cost						\$134,596.00
PE (15%)						\$20,189.40
CEI (15%)						\$20,189.40
Grand Total						\$174,974.79

## **Hialeah Gardens Elementary**



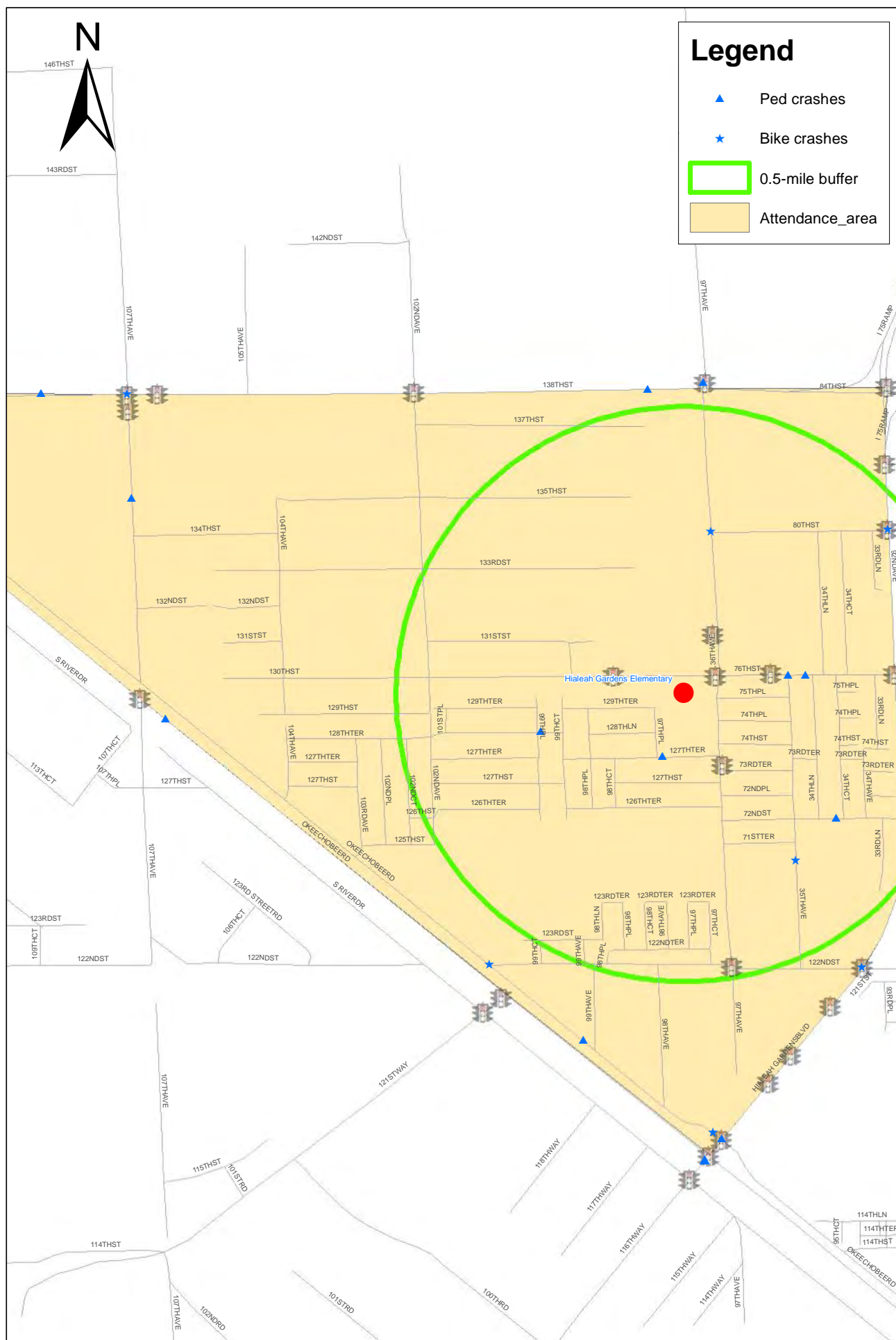




**Legend**

- Ped crashes
- Bike crashes
- 0.5-mile buffer
- Attendance\_area

The map displays the Hialeah Gardens Elementary area, centered around a red dot labeled "Hialeah Gardens Elementary". A large green circle represents the 0.5-mile buffer. The area is shaded in light orange, indicating the attendance area. The map shows a network of streets, including 146THST, 143RDST, 142NDST, 138THST, 137THST, 135THST, 133RDST, 131STST, 130THST, 129THST, 128THTER, 127THTER, 127THST, 126THTER, 125THST, 123RDST, 122NDST, 115THST, 114THST, 107THST, 106THST, 105THST, 104THST, 103THST, 102NDST, 101STST, 100THST, 99THST, 98THST, 97THST, 96THST, 95THST, 94THST, 93THST, 92THST, 91THST, 90THST, 89THST, 88THST, 87THST, 86THST, 85THST, 84THST, 83THST, 82THST, 81THST, 80THST, 79THST, 78THST, 77THST, 76THST, 75THST, 74THST, 73THST, 72THST, 71THST, 70THST, 69THST, 68THST, 67THST, 66THST, 65THST, 64THST, 63THST, 62THST, 61THST, 60THST, 59THST, 58THST, 57THST, 56THST, 55THST, 54THST, 53THST, 52THST, 51THST, 50THST, 49THST, 48THST, 47THST, 46THST, 45THST, 44THST, 43THST, 42THST, 41THST, 40THST, 39THST, 38THST, 37THST, 36THST, 35THST, 34THST, 33THST, 32THST, 31THST, 30THST, 29THST, 28THST, 27THST, 26THST, 25THST, 24THST, 23THST, 22THST, 21THST, 20THST, 19THST, 18THST, 17THST, 16THST, 15THST, 14THST, 13THST, 12THST, 11THST, 10THST, 9THST, 8THST, 7THST, 6THST, 5THST, 4THST, 3THST, 2THST, 1THST. The map also shows the S RIVER and OKEECHOBEE RIVER. A north arrow is located in the top left corner.





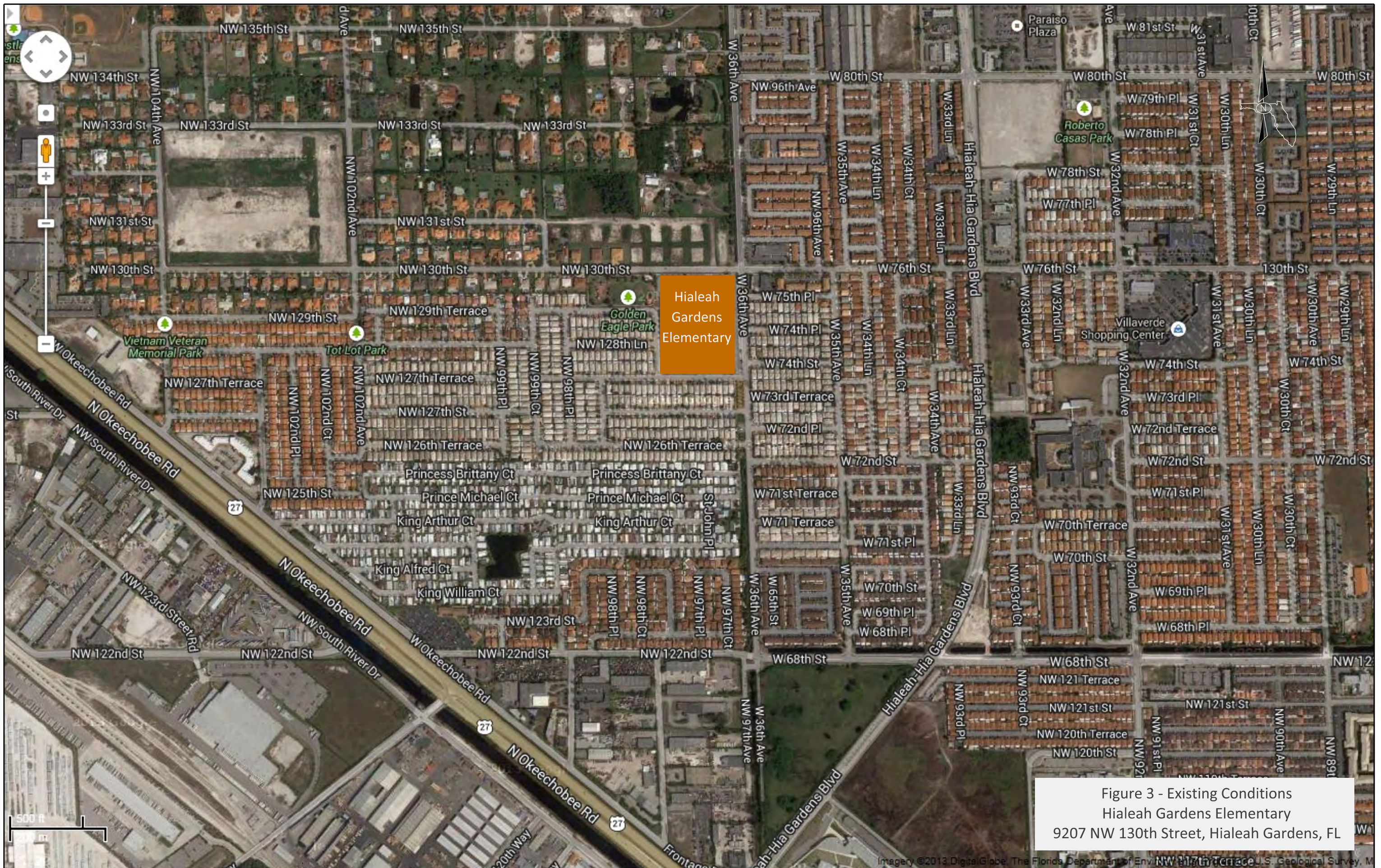


Figure 3 - Existing Conditions  
Hialeah Gardens Elementary  
9207 NW 130th Street, Hialeah Gardens, FL



Figure 4: Hialeah Gardens Elementary School  
Safe Routes to School Plan





Hialeah Gardens Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
Frontage Road ( Under FDOT jurisdiction)						
en King Arthur Court and NW 103 <sup>rd</sup> A	522-1	Add sidewalk connection along Frontage Road on the north side between King Arthur Court and NW 103rd Avenue (approx. 110 feet)	61	\$36.56	SY	\$2,234.22
NW 103 <sup>rd</sup> Avenue	522-1	Add sidewalk on the east side of NW 103 <sup>rd</sup> Avenue from Frontage Road to NW 125 <sup>th</sup> Street (approx. 120 feet)(Note: may impact existing landscaping and/or utilities)	67	\$36.56	SY	\$2,437.33
NW 125 <sup>th</sup> Street						
NW 103 <sup>rd</sup> Avenue	522-2	Add ramps on the SE and NE corners	12	\$40.01	SY	\$466.78
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	98	\$1.51	LF	\$147.98
NW 102 <sup>nd</sup> Place	522-2	Add ramps on the NW and NE corners	13	\$40.01	SY	\$511.24
	527-1	Add detectable warning pads (embedded) on the NW and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg (drainage on the NE and NW corners)	76	\$1.51	LF	\$114.76
NW 102 <sup>nd</sup> Court	522-2	Add ramps on the NE and NW corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the north leg (drainage on the NE and NW corners)	88	\$1.51	LF	\$132.88
NW 126 <sup>th</sup> Street						
NW 102 <sup>nd</sup> Court	522-2	Add ramps on the NE and SE corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg (drainage in both NE and SE corners)	104	\$1.51	LF	\$157.04
NW 126 <sup>th</sup> Terrace						
North of 102 <sup>nd</sup> Avenue	522-2	Add ramps on the SE and NE corners	11	\$40.01	SY	\$422.33
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	120	\$1.51	LF	\$181.20
NW 127 <sup>th</sup> Street						
NW 102 <sup>nd</sup> Avenue	522-2	Add ramps on the NE and SE corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg (driveway on the SE corner)	60	\$1.51	LF	\$90.60
NW 99 <sup>th</sup> Place	522-2	Add ramps on all 4 corners	23	\$40.01	SY	\$933.57
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	128	\$1.51	LF	\$193.28
NW 99 <sup>th</sup> Court	522-2	Add ramps on the SW and NW corners	12	\$40.01	SY	\$466.78
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the west leg	56	\$1.51	LF	\$84.56
NW 127 <sup>th</sup> Terrace						
NW 99 <sup>th</sup> Court	522-2	Add ramps on the SE and NE corners	12	\$40.01	SY	\$466.78
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	62	\$1.51	LF	\$93.62
	522-2	Add ramp on the NE corner (between houses 12758 and 12762)	6	\$40.01	SY	\$222.28
	527-1	Add detectable warning pad (embedded) on the NE corner (between houses 12758 and 12762)	1	\$423.55	EA	\$423.55
	711-11-123	Add a crosswalk on the north leg (between houses 12758 and 12762)	46	\$1.51	LF	\$69.46
	700-20-11	Add ‘school crossing ahead’ signs on NW 99 <sup>th</sup> Court north and south of 127 <sup>th</sup> Terrace facing northbound and southbound traffic	2	\$275.90	AS	\$551.80
	700-20-11	Add school crossing signs for the proposed crosswalks on the NW and NE corners	2	\$275.90	AS	\$551.80

Hialeah Gardens Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 98 <sup>th</sup> Place	522-2	Add ramps on all 4 corners	23	\$40.01	SY	\$933.57
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalks on the north and south legs	4	\$1.51	LF	\$6.04
NW 98 <sup>th</sup> Court	522-2	Add ramps on the SW and SE corners	12	\$40.01	SY	\$466.78
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	60	\$1.51	LF	\$90.60
NW 97 <sup>th</sup> Place	522-2	Add ramp on the NW corner	6	\$40.01	SY	\$222.28
	527-1	Add detectable warning pad (embedded) on the NW corner	1	\$423.55	EA	\$423.55
	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp on the NE corner in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pad (embedded) on the NE corner	1	\$423.55	EA	\$423.55
	711-12-123, 711-11-125	Replace crosswalk on the east leg with ladder crosswalk	30	\$9.19	LF	\$275.70
NW 128 <sup>th</sup> Terrace						
NW 104 <sup>th</sup> Avenue	522-2	Add ramps on the SE and NE corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg (drainage on the SE corner)	60	\$1.51	LF	\$90.60
NW 103 <sup>rd</sup> Avenue	522-2	Add ramps on the SE and SW corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	80	\$1.51	LF	\$120.80
NW 102 <sup>nd</sup> Place	522-2	Add ramps on the SE and SW corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	80	\$1.51	LF	\$120.80
NW 102 <sup>nd</sup> Court	522-2	Add ramps on the SE and SW corners	14	\$40.01	SY	\$555.69
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	62	\$1.51	LF	\$93.62
NW 102 <sup>nd</sup> Avenue	522-2	Add ramps on the SW and SE corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg (driveway in the SE)	52	\$1.51	LF	\$78.52
	522-1	Add sidewalk connection to the north leg (children's park on the north leg) (approx. 50 feet)	28	\$36.56	SY	\$1,015.56
NW 101 <sup>st</sup> Place	522-2	Add ramps on the NW and NE corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the NW and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the north leg	60	\$1.51	LF	\$90.60
NW 99 <sup>th</sup> Place	522-2	Add ramps on all 4 corners	25	\$40.01	SY	\$1,000.25
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalk on the north and south legs	54	\$1.51	LF	\$81.54
NW 99 <sup>th</sup> Court	522-2	Add ramps on SW and NW corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the west leg (driveway on the SW corner)	64	\$1.51	LF	\$96.64
W 36 <sup>th</sup> Avenue/NW 96 <sup>th</sup> Avenue						
W 69 <sup>th</sup> Street	110-4	Sidewalk removal on the SE and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10



**Hialeah Gardens Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
	711-11-123	Add crosswalk on the east leg	120	\$1.51	LF	\$181.20
W 71 <sup>st</sup> Terrace	110-4	Sidewalk removal on the SE and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	70	\$1.51	LF	\$105.70
W 72 <sup>nd</sup> Street	522-2	Add ramps on the SE and NE corners	8	\$40.01	SY	\$333.42
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	90	\$1.51	LF	\$135.90
NW 126 <sup>th</sup> Terrace	522-2	Add ramps on the SW and NW corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the west leg	68	\$1.51	LF	\$102.68
	522-1	Extend sidewalks on the SW and NW corners to connect to proposed ramps (about 20 feet for each sidewalk extension)	22	\$36.56	SY	\$812.44
W 72 <sup>nd</sup> Place	522-2	Add ramps on the SE and NE corners	10	\$40.01	SY	\$400.10
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	76	\$1.51	LF	\$114.76
NW 127 <sup>th</sup> Street	711-11-123	Add crosswalk on the west leg	52	\$1.51	LF	\$78.52
	522-2	Add ramps on the SW and NW corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
	522-1	Extend sidewalk on the westside to connect to proposed crosswalk (about 20 feet for each sidewalk extension)	22	\$36.56	SY	\$812.44
	700-48-58	Replace school plaque on the school flasher assembly sign (east side)	1	\$249.38	EA	\$249.38
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
W 73 <sup>rd</sup> Terrace	522-2	Add ramps on the SE and NE corners	10	\$40.01	SY	\$400.10
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	80	\$1.51	LF	\$120.80
Between NW 127 <sup>th</sup> Terrace and W 73 <sup>rd</sup> Terrace	711-12-123, 711-11-125	Add ladder crosswalk across W 36 <sup>th</sup> Avenue (approx. 30 feet south of NW 127 <sup>th</sup> Terrace)	33	\$8.63	LF	\$284.79
	522-2	Add ramp on the east and west sides	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the east and west sides	2	\$423.55	EA	\$847.10
	700-20-11	Add school crossing ahead signs north and south of the crosswalk	2	\$275.90	AS	\$551.80
	700-20-11	Add fluorescent school crossing signs at the crosswalk (double sided - see item below)	2	\$275.90	AS	\$551.80
	700-48-18	Install additional fluorescent school crossing signs at the crosswalk	4	\$407.16	EA	\$1,628.64
	522-1	Extend sidewalk on the west side of W 36 <sup>th</sup> Avenue to connect to proposed crosswalk (about 30 feet)	17	\$36.56	SY	\$609.33
NW 127 <sup>th</sup> Terrace	522-2	Add ramps on the SW corner	6	\$40.01	SY	\$222.28
	527-1	Add detectable warning pad (embedded) on the SW corner	1	\$423.55	EA	\$423.55
	522-1	Extend existing sidewalk on the south side to connect to crosswalk at W 36 <sup>th</sup> Avenue (approx. 40 feet)	22	\$36.56	SY	\$812.44
W 74 <sup>th</sup> Street	522-2	Add ramps on the SE and NE corners	10	\$40.01	SY	\$400.10
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	74	\$1.51	LF	\$111.74
W 74 <sup>th</sup> Place	522-2	Add ramps on the SE and NE corners	10	\$40.01	SY	\$400.10
	527-1	Add detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the east leg	74	\$1.51	LF	\$111.74
	522-2	Add ramps on the NE, SE and SW corners	14	\$40.01	SY	\$577.92

Hialeah Gardens Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
W 75 <sup>th</sup> Place	527-1	Add detectable warning pads (embedded) on the NE, SE and SW corners	3	\$423.55	EA	\$1,270.65
	522-2	Provide a raised curb extension on the west side across existing unpaved parking area to delineate the crosswalk and to maintain sightlines (between existing sidewalk on the west side and crosswalk across W 36 <sup>th</sup> Avenue - approx. 30 feet)	33	\$40.01	SY	\$1,333.67
	711-11-123, 711-11-125	Extend existing crosswalk (across NW 97 Avenue) though the proposed raised curb extension to connect with sidewalk on the west side	30	\$8.63	LF	\$258.90
	700-20-11	Add school crossing signs on the SW and SE corners	2	\$275.90	AS	\$551.80
	711-12-123, 711-11-125	Replace existing crosswalks with ladder crosswalks	86	\$9.19	LF	\$790.34
W76 <sup>th</sup> Street	711-11-123, 711-11-125	Add a crosswalk connection from the SW corner across to the school driveway	25	\$8.63	LF	\$215.75
	522-2	Add ramp on SW corner	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on SW corner	1	\$423.55	EA	\$423.55
	700-20-11	Install no parking signs on the SW corner within 25 feet of crosswalk	2	\$275.90	AS	\$551.80
	110-4	Sidewalk removal on the SE, NW and NE corners in preparation for the placement of detectable warning pads (embedded)	3	\$24.84	SY	\$82.80
	522-2	Add concrete ramps on the SE, NW and NE corners in preparation for the placement of detectable warning pads (embedded)	3	\$40.01	SY	\$133.37
	527-1	Add detectable warning pads (embedded) on the SE, NW, and NE corners	3	\$423.55	EA	\$1,270.65
	110-4	Sidewalk removal at the crosswalk across school driveway in preparation for the placement of detectable warning pad (embedded)	1	\$24.84	SY	\$27.60
	522-2	Add concrete ramp at the crosswalk across school driveway in preparation for the placement of detectable warning pad (embedded)	1	\$40.01	SY	\$44.46
	527-1	Add detectable warning pads (embedded) at crosswalk across school driveway	2	\$423.55	EA	\$847.10
North of NW 130th Street	700-90-21	Relocate school flasher facing southbound traffic (hidden due to light pole) to improve visibility	1	\$756.99	AS	\$756.99
	700-48-60	Remove existing sign panels on flasher assembly (2 signs)	2	\$113.59	EA	\$227.18
	700-48-18	Install sign panel (S5-1) on flasher assembly stating "school zone 15 mph when flashing"	1	\$407.16	EA	\$407.16
W 80 <sup>th</sup> Street	110-4	Sidewalk removal on the SE and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and NE corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Replace detectable warning pads (embedded) on the SE and NE corners	2	\$423.55	EA	\$847.10
NW 130 <sup>th</sup> Street						
of NW 99 <sup>th</sup> Avenue (approx. 700 feet)	700-48-58	Replace overhead School Zone Flasher signs with fluorescent sign facing eastbound and westbound (2 signs)	2	\$249.38	EA	\$498.76
	711-12-125, 711-11-161	Refurbish 'School' pavement markings	1	\$223.74	EA	\$223.74
W 35 <sup>th</sup> Avenue	700-48-58	Replace overhead School Zone Flasher signs with fluorescent sign facing eastbound and westbound (2 signs)	2	\$249.38	EA	\$498.76
	522-2	Add ramps on SE and SW corners	17	\$40.01	SY	\$666.83
	527-1	Add detectable warning pads (embedded) on SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	56	\$1.51	LF	\$84.56
W 34 <sup>th</sup> Lane	522-2	Add ramps on all 4 corners	31	\$40.01	SY	\$1,222.53
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalk on the south and north leg	112	\$1.51	LF	\$169.12
	711-12-125, 711-11-161	Refurbish 'School' pavement markings	1	\$223.74	EA	\$223.74
W 34 <sup>th</sup> Court	522-2	Add ramps on all 4 corners	37	\$40.01	SY	\$1,489.26
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalk on the south and north leg	144	\$1.51	LF	\$217.44
W 33 <sup>rd</sup> Lane	522-2	Add ramps on the SW and SE corners	19	\$40.01	SY	\$755.74
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	60	\$1.51	LF	\$90.60
	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corner	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the north leg	66	\$1.51	LF	\$99.66



Hialeah Gardens Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
W 72 <sup>nd</sup> Street						
W 33 <sup>rd</sup> Lane	522-2	Add ramps on the SW and SE corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the SW and SE corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the south leg	52	\$1.51	LF	\$78.52
W 34 <sup>th</sup> Ave	522-2	Add ramps on the NE and NW corners	12	\$40.01	SY	\$489.01
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the north leg	56	\$1.51	LF	\$84.56
W 34 <sup>th</sup> Court	522-2	Add ramps on the NE and NW corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the north leg	56	\$1.51	LF	\$84.56
W 34 <sup>th</sup> Lane	522-2	Add ramps on the NE and NW corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add crosswalk on the north leg (note: drainage inlets on NE and NW corners)	52	\$1.51	LF	\$78.52
W 35 <sup>th</sup> Avenue	522-2	Add ramps on all 4 corners	22	\$40.01	SY	\$889.11
	527-1	Add detectable warning pads (embedded) on all 4 corners	4	\$423.55	EA	\$1,694.20
	711-11-123	Add crosswalk on the north and south	104	\$1.51	LF	\$157.04
Construction Cost						\$92,554.65
Maintenance of Traffic (10%)						\$9,255.47
Mobilization (10%)						\$9,255.47
Sub Total						\$111,065.58
Contingency (15%)						\$16,659.84
Total Construction Cost						\$127,725.42
PE (15%)						\$19,158.81
CEI (15%)						\$19,158.81
Grand Total						\$166,043.05

**Nathan B. Young Elementary**



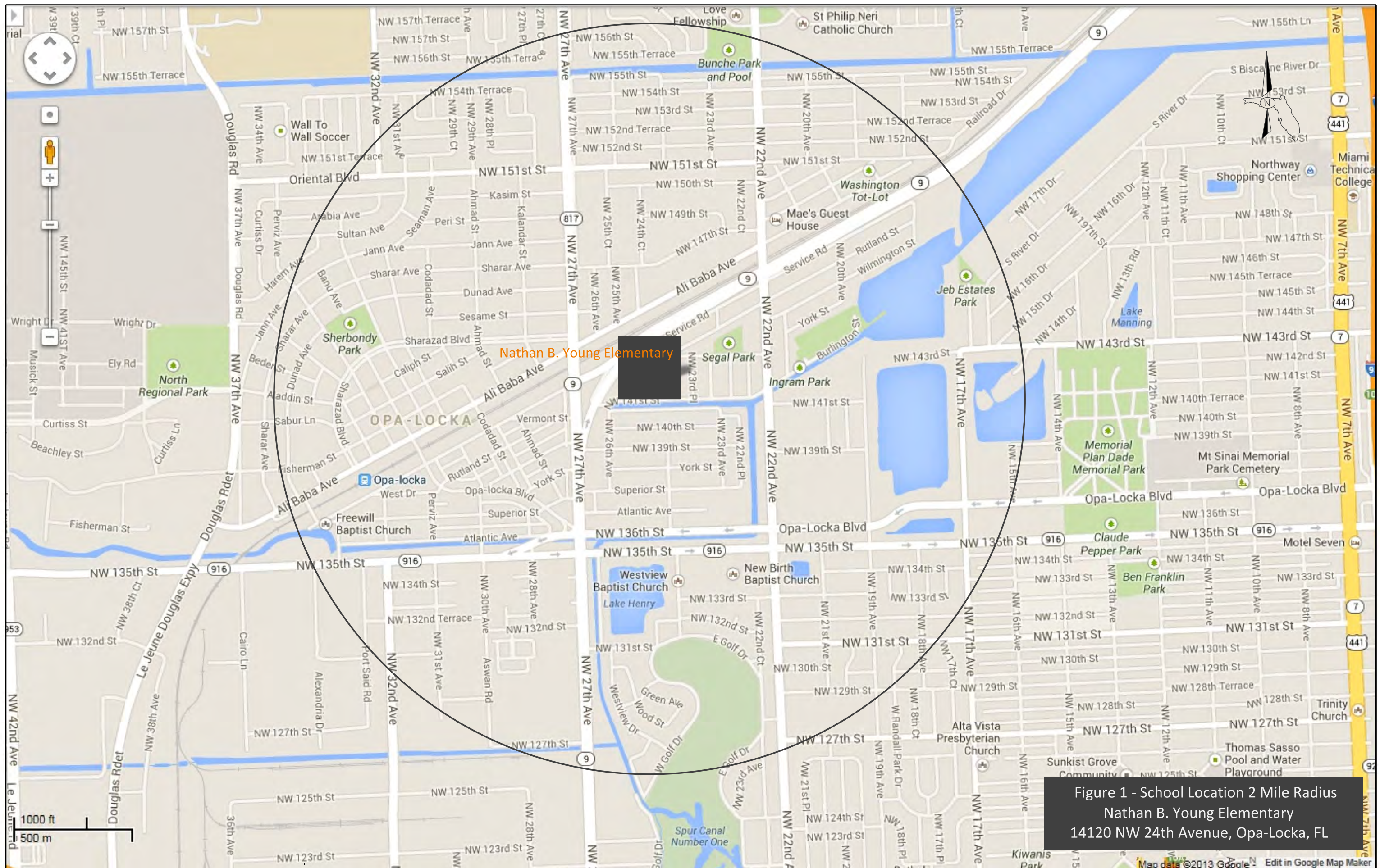
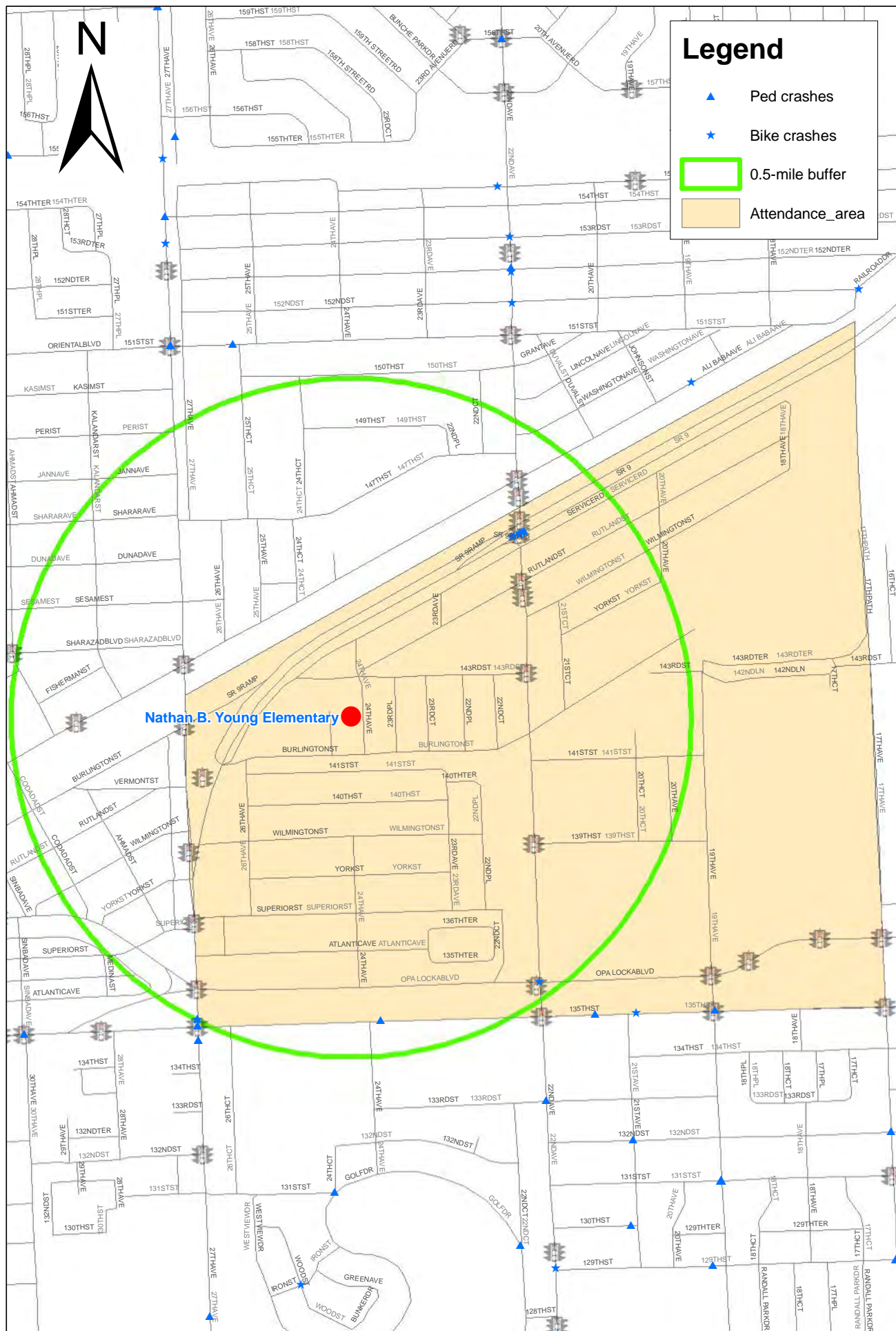


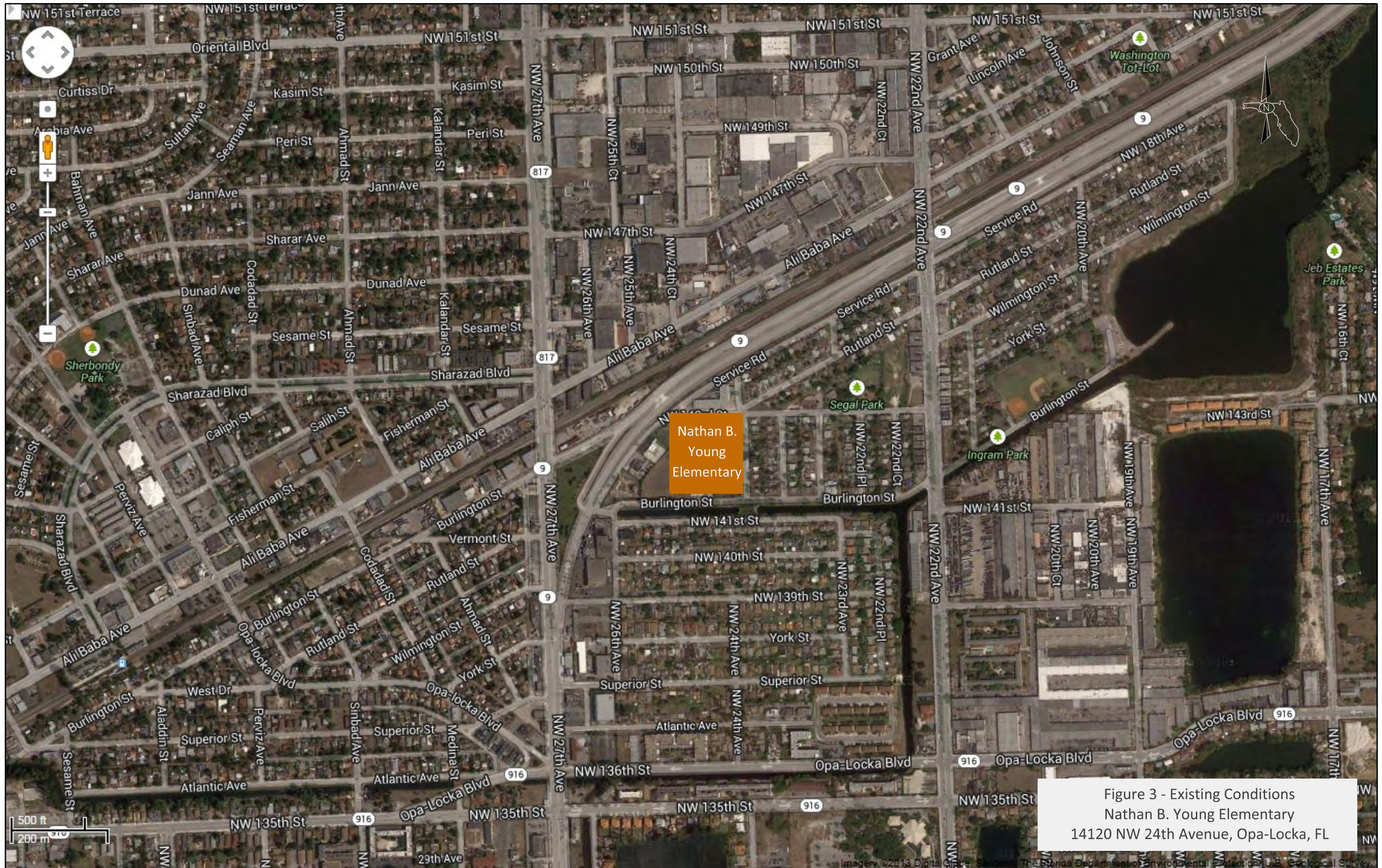
Figure 1 - School Location 2 Mile Radius  
Nathan B. Young Elementary  
14120 NW 24th Avenue, Opa-Locka, FL



# Figure 2: Nathan B Young Elementary School Attendance Area and Crash Data (2005-2011)







Nathan B.  
Young  
Elementary

Figure 3 - Existing Conditions  
Nathan B. Young Elementary  
14120 NW 24th Avenue, Opa-Locka, FL



This map illustrates the safe routes, a 0.5-mile buffer, and the attendance boundary for Nathan B. Young Elementary. The school is marked with a red dot in the center. The attendance boundary is shown as a light orange shaded area. A green line indicates the safe routes, which are primarily along major roads like 150th St, 140th St, 135th St, and 130th St. A green circle represents the 0.5-mile buffer around the school. The map includes a north arrow and a legend in the bottom right corner.

**Legend**

- Safe Routes
- 0.5-mile buffer
- Attendance\_boundary



**Nathan Young Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
<b>NW 23<sup>rd</sup> Avenue</b>						
NW 138 <sup>th</sup> Street	522-2	Add concrete ramps on the SW and NW corners	8	\$40.01	SY	\$333.42
	527-1	Add detectable warning pads (embedded) on the SW and NW corners	2	\$423.55	EA	\$847.10
NW 139 <sup>th</sup> Street	522-2	Add concrete ramps on the NW, SW, and SE corners	16	\$40.01	SY	\$622.38
	527-1	Add detectable warning pads (embedded) on the NW, SW and SE corners	3	\$423.55	EA	\$1,270.65
	711-11-123	Add crosswalks on the south, west, and north legs	310	\$1.51	LF	\$468.10
NW 140 <sup>th</sup> Street	711-11-123	Add a crosswalk to west leg	52	\$1.51	LF	\$78.52
	110-4	Remove existing concrete pads on the NW and SW corners	19	\$24.84	SY	\$469.20
	522-2	Add concrete ramps on the NW and SW corners	19	\$40.01	SY	\$755.74
	527-1	Add detectable warning pads (embedded) on the NW and SW corners	2	\$423.55	EA	\$847.10
NW 141 <sup>st</sup> Street	110-4	Remove sidewalk on the south side (between house # 2340 and 2350 – approx. 30 feet)	17	\$24.84	SY	\$414.00
	522-2	Construct sidewalk on the south side (between house # 2340 and 2350 – approx. 30 feet)	17	\$40.01	SY	\$666.83
	711-11-123	Add a crosswalk near house # 2410 (east of house driveway) connecting to existing pedestrian bridge	40	\$1.51	LF	\$60.40
	522-2	Add ramp on the south side to connect to proposed crosswalk	3	\$40.01	SY	\$133.37
	522-2	Construct sidewalk and ramp on the north side to connect to proposed crosswalk (approx. 35 feet of sidewalk construction)	19	\$40.01	SY	\$777.97
	700-20-11	Install school crossing signs facing eastbound and westbound traffic for the proposed crosswalk (2 signs)	2	\$275.90	AS	\$551.80
	700-20-11	Install advance school crossing signs for the above (2 signs)	2	\$275.90	AS	\$551.80
	334-1-13	Install a speed hump near house # 2440 (check for driveway access)	4.4	\$99.49	TN	\$437.76
<b>Burlington Street</b>						
NW 24 <sup>th</sup> Court	522-2	Add concrete ramps on the NE and NW corners	11	\$40.01	SY	\$444.56
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the north leg	76	\$1.51	LF	\$114.76
NW 24 <sup>th</sup> Avenue	334-1-13	Install speed tables on the north and west legs	13.2	\$99.49	TN	\$1,313.27
	711-11-123, 711-11-125	Install ladder crosswalk on speed tables on the north and west legs	45	\$8.63	LF	\$388.35
	110-4	Remove ramps at the SW, NW, and NE corners	17	\$24.84	SY	\$414.00
	522-2	Install ramps to connect to the proposed raised crosswalks (SW, NW, and NE corners)	17	\$40.01	SY	\$666.83
NW 23 <sup>rd</sup> Place	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the north leg	60	\$1.51	LF	\$90.60
NW 23 <sup>rd</sup> Court	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the north leg	60	\$1.51	LF	\$90.60
NW 22 <sup>nd</sup> Place	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the north leg	52	\$1.51	LF	\$78.52
NW 22 <sup>nd</sup> Court	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91

**Nathan Young Elementary School - Opinion of Probable Cost (DRAFT)**

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 22 <sup>nd</sup> Court	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the north leg	70	\$1.51	LF	\$105.70
<b>NW 22<sup>nd</sup> Avenue</b>						
NW 139 <sup>th</sup> Street	110-4	Remove sidewalk on the south side to connect to pedestrian entrance to residential building (approx. 120 feet)	67	\$24.84	SY	\$1,656.00
	522-2	Install sidewalk on the south side to connect to pedestrian entrance to residential building (approx. 120 feet)	67	\$40.01	SY	\$2,667.33
	700-48-58	Replace existing traffic signal pedestrian actuation signs per section 2B.52 of current MUTCD (3 signs)	3	\$249.38	EA	\$748.14
	700-20-11	Install fluorescent school crossing signs on the east and north legs and on the median on NW 22 Avenue.	3	\$275.90	AS	\$827.70
	700-20-11	Install advance fluorescent school crossing signs on the northbound and southbound approaches on NW 22 Avenue.	2	\$275.90	AS	\$551.80
	110-4	Sidewalk removal on the NE corner in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE corner in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE corner (2 pads)	2	\$423.55	EA	\$847.10
	110-4	Remove a section of raised median on the north leg to provide an even crosswalk (about 5x8 ft)	4	\$24.84	SY	\$110.40
Burlington Street	711-12-123, 711-11-125	Replace existing crosswalk with ladder crosswalk on the north and east legs	140	\$9.19	LF	\$1,286.60
	711-12-123	Restripe crosswalk on the west side	120	\$1.79	LF	\$214.80
NW 143 <sup>rd</sup> Street	711-12-123, 711-11-125	Restripe existing crosswalk and Install high emphasis crosswalks on the south, north and west legs	215	\$9.19	LF	\$1,975.85
	700-20-11	Install fluorescent school crossing signs on the south, north and west legs	3	\$275.90	AS	\$827.70
	700-20-11	Install advance fluorescent school crossing signs on the northbound, southbound and eastbound approaches	3	\$275.90	AS	\$827.70
	110-4	Remove a section of raised median on the north leg to provide an even crosswalk (about 5x8 ft)	4	\$24.84	SY	\$110.40
Rutland Street	711-11-123, 711-11-125	Install high emphasis crosswalks on the south, east, and west legs	240	\$8.63	LF	\$2,071.20
	700-48-58	Replace school crossing signs on all 4 corners with fluorescent signs	4	\$249.38	EA	\$997.52
	110-4	Sidewalk removal on all 4 corners in preparation for the placement of detectable warning pads (embedded)	6	\$24.84	SY	\$138.00
	522-2	Add concrete ramps on all 4 corners in preparation for the placement of detectable warning pads (embedded)	6	\$40.01	SY	\$222.28
	527-1	Add detectable warning pads (embedded) on all 4 corners (5 pads)	5	\$423.55	EA	\$2,117.75
Between NW 143 <sup>rd</sup> Street and Rutland Street	110-4	Remove sidewalk on the west side (two locations - approx. 10 feet each location)	11	\$24.84	SY	\$276.00
	522-2	Install sidewalk on the west side (two locations - approx. 10 feet each location)	11	\$40.01	SY	\$444.56
<b>NW 143<sup>rd</sup> Street</b>						
NW 22 <sup>nd</sup> Court	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the south leg	50	\$1.51	LF	\$75.50
NW 22 <sup>nd</sup> Place	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the south leg	52	\$1.51	LF	\$78.52
NW 23 <sup>rd</sup> Court	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the south leg	52	\$1.51	LF	\$78.52
	110-4	Sidewalk removal on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the SE and SW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91



Nathan Young Elementary School - Opinion of Probable Cost (DRAFT)

Road Segments	Pay Item(s)	Recommended Improvements	Quantity	Unit Cost (\$)	Unit	Total
NW 23 <sup>rd</sup> Place	527-1	Add detectable warning pads (embedded) on the SE and SW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the south leg	66	\$1.51	LF	\$99.66
	700-48-58	Replace school speed zone ahead sign east of NW 23 <sup>rd</sup> PI with a fluorescent sign	1	249.38	EA	\$249.38
	700-48-58	Replace school plaque on top of speed limit sign with a fluorescent plaque	1	249.38	EA	\$249.38
Rutland Street						
NW 23 <sup>rd</sup> Avenue	110-4	Sidewalk removal on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$24.84	SY	\$55.20
	522-2	Add concrete ramps on the NE and NW corners in preparation for the placement of detectable warning pads (embedded)	2	\$40.01	SY	\$88.91
	527-1	Add detectable warning pads (embedded) on the NE and NW corners	2	\$423.55	EA	\$847.10
	711-11-123	Add a crosswalk on the north leg	60	\$1.51	LF	\$90.60
	110-4	Remove sidewalk on the south side (in front of house # 2290 - approx. 80 feet)	44	\$24.84	SY	\$1,104.00
	522-2	Install sidewalk on the south side (in front of house # 2290 - approx. 80 feet)	44	\$40.01	SY	\$1,778.22
Construction Cost						\$45,628.04
Maintenance of Traffic (10%)						\$4,562.80
Mobilization (10%)						\$4,562.80
Sub Total						\$54,753.65
Contingency (15%)						\$8,213.05
Total Construction Cost						\$62,966.70
PE (15%)						\$9,445.01
CEI (15%)						\$9,445.01
Grand Total						\$81,856.71

## **APPENDIX D**

### **Prioritization Results**



PRIORITIZATION MATRIX - SRTS INFRASTRUCTURE IMPROVEMENTS (2014)

RANK	SCHOOL INFORMATION						DATA								RANKING CALCULATION										RANK_2011 **
	SCH_ID	NAME	ADDRESS	CITY	ZIP	GRADES	ENROLLMENT	STUDENTS_ HLFMILE	PCT_STUDENTS HLFMILE	BIKE_PED_ CRASHES	JUV_PED_ CRASHES	NEARST_STREET	TRAFFIC_VOL	PCT_WALK	PCT_LUNCH	RANK_PCT_ST DNTS_HMILE	RANK_BIKE PED	RANK_JUVEN PED	RANK_TRAFFIC	RANK_WALK*	RANK_WALK*	RANK_LUNCH	AVG_ RANK	RANK_ FINAL	
1	2401	Hibiscus Elementary	18701 NW 1ST AVE	Miami Gardens	33169	PK-5	531	255	48	34	6	NW 183 St	46000	80	90	11	24	5	13	1	1	42	13.9	1	20
2	2821	Lakeview Elementary	1290 NW 115TH ST	Miami	33167	PK-5	426	232	54	43	8	NW 119 St	37000	26	99	6	18	3	19	32	32	1	15.9	2	49
3	0341	Arch Creek Elementary	702 NE 137TH ST	North Miami	33161	KG-5	570	221	39	68	12	NE 135 St	26500	30	97	19	5	2	39	27	27	6	17.9	3	27
4	3541	Robert Russa Moton Elementary	18050 HOMESTEAD AVE	Miami	33157	PK-5	372	139	37	58	5	SW 184 St	12500	65	98	24	9	8	80	7	7	3	19.7	4	50
5	5431	Sweetwater Elementary	10655 SW 4TH ST	Sweetwater	33174	PK-5	842	305	36	61	2	NW 107 Ave	40500	26	96	27	8	27	18	32	32	10	22.0	5	1
6	1601	Edison Park K-8 Center	500 NW 67TH ST	Miami	33150	PK-5	460	175	38	71	15	NW 2 Ave	4000	75	97	21	4	1	118	3	3	6	22.3	6	23
7	4961	Shadowlawn Elementary	149 NW 49TH ST	Miami	33127	PK-5	321	202	63	54	6	NW 2 Ave	4000	60	96	1	12	5	118	9	9	10	23.4	7	30
8	0641	Bunche Park Elementary	16001 BUNCHE PARK SCHOOL DR	Miami Gardens	33054	PK-5	317	115	36	26	4	NW 22 Ave	14000	50	96	25	35	12	73	11	11	10	25.3	8	40
9	2351	Eneida Massas Hartner Elementary	401 NW 29TH ST	Miami	33127	PK-5	560	283	51	52	8	NW 36 St	23500	10	97	9	15	3	46	52	52	6	26.1	9	20
10	0881	Comstock Elementary	2420 NW 18TH AVE	Miami	33142	PK-5	552	192	35	79	5	NW 17 Ave	13000	24	99	30	3	8	77	36	36	1	27.3	10	41
11	3581	Myrtle Grove K-8 Center	3125 NW 176TH ST	Miami Gardens	33056	PK-5	500	150	30	32	6	NW 32 Ave	9400	68	96	44	26	5	95	6	6	10	27.4	11	31
12	2241	Gratigny Elementary	11905 N MIAMI AVE	Miami	33168	PK-6	688	179	26	27	1	N Miami Ave/125 St	34500	65	95	57	34	52	22	7	7	19	28.3	12	26
13	2041	Benjamin Franklin Elementary	13100 NW 12TH AVE	North Miami	33168	PK-5	550	290	53	15	2	NW 135 St/Opa Locka	29500	40	93	7	63	27	34	20	20	28	28.4	13	25
14	3041	Lorah Park Elementary	5160 NW 31ST AVE	Miami	33142	PK-5	436	193	44	41	3	NW 32 Ave	14500	22	97	14	19	19	71	37	37	6	29.0	14	29
15	5901	Carrie P. Meek/Westview K-8 Center	2101 NW 127TH ST	Miami	33167	PK-5	620	178	29	20	2	NW 22 Ave	19000	50	96	45	48	27	58	11	11	10	30.0	15	37
16	1161	Crestview Elementary	2201 NW 187TH ST	Miami Gardens	33056	PK-5	454	218	48	19	2	NW 183 St	33500	30	90	12	50	27	26	27	27	42	30.1	16	52
17	3241	Miami Gardens Elementary	4444 NW 195TH ST	Miami Gardens	33055	PK-5	260	148	57	10	2	NW 47 Ave	24000	55	92	4	82	27	44	10	10	34	30.1	16	92
18	2001	Florida City Elementary	364 NW 6TH AVE	Florida City	33034	PK-5	776	216	28	21	2	SW 344 St	10000	79	98	49	43	27	91	2	2	3	31.0	18	44
19	4651	Ethel F. Beckford/Richmond Elementary	16929 SW 104TH AVE	Miami	33157	PK-5	290	113	39	23	2	SW 168 St	8000	44	95	18	41	27	102	17	17	19	34.4	19	108
20	2801	Lake Stevens Elementary	5101 NW 183RD ST	Miami	33055	PK-5	290	53	18	28	3	NW 183 St	30500	20	96	77	32	19	32	38	38	10	35.1	20	91
21	3981	North Twin Lakes Elementary	625 W 74TH PL	Hialeah	33014	PK-5	617	380	62	21	3	W 8 Ave	11200		92	3	43	19	84			34	36.6	21	65
22	3421	M.A. Milam K-8 Center	6020 W 16TH AVE	Hialeah	33012	PK-8	977	606	62	23	0	W 16 Ave	22000	44	89	2	41	89	49	17	17	48	37.6	22	58
23	5711	Mae M. Walters Elementary	650 W 33RD ST	Hialeah	33012	PK-5	622	295	47	31	2	W 8 Ave	17500	10	91	13	28	27	64	52	52	39	39.3	23	53
24	5561	Frances S. Tucker Elementary	3500 DOUGLAS RD	Miami	33133	PK-5	427	79	19	67	2	Grand Ave	6300	45	93	75	6	27	113	14	14	28	39.6	24	39
25	4001	Norwood Elementary	19810 NW 14TH CT	Miami Gardens	33169	PK-5	518	208	40	13	3	NW 199 St	20000	30	84	17	68	19	56	27	27	67	40.1	25	54
26	5381	E.W.F. Stirrup Elementary	330 NW 97TH AVE	Miami	33172	PK-5	850	212	25	24	1	W Flagler St	55500	30	81	59	38	52	10	27	27	74	41.0	26	34
27	0721	George Washington Carver Elementay	238 GRAND AVE	Coral Gables	33133	KG-5	457	95	21	58	2	US 1	87000	17	68	69	9	27	1	42	42	98	41.1	27	48
28	4541	Rainbow Park Elementary	15355 NW 19TH AVE	Miami Gardens	33054	PK-5	392	142	36	9	1	NW 22 Ave	14000	40	96	26	92	52	73	20	20	10	41.9	28	73
28	5481	Treasure Island Elementary	7540 E TREASURE DR	North Bay Village	33141	PK-5	650	142	22	32	5	79 St Cswy	35500	10	82	66	26	8	20	52	52	71	42.1	29	64
28	1811	Dante B. Fascell Elementary	15625 SW 80TH ST	Miami	33193	PK-5	526	266	51	13	0	SW 157 Ave	16000	75	87	8	68	89	67	3	3	59	42.4	30	14
31	2161	Golden Glades Elementary	16520 NW 28TH AVE	Miami Gardens	33054	PK-5	276	20	7	45	4	NW 32 Ave	7000	45	95	113	17	12	109	14	14	19	42.6	31	56
32	4491	Henry E.S. Reeves Elementary	2005 NW 111TH ST	Miami	33167	KG-5	786	163	21	19	4	NW 22 Ave	19000	15	94	70	50	12	58	44	44	25	43.3	32	45
32	5141	Hubert O. Sibley Elementary	255 NW 115TH ST	Miami	33168	PK-5	891	210	24	21	1	NW 119 St	16800	45	88	63	43	52	66	14	14	51	43.3	32	75
34	2331	Charles R. Hadley Elementary	8400 NW 7TH ST	Miami	33126	PK-5	1001	437	44	24	0	NW 87 Ave	66000	10	84	15	38	89	5	52	52	67	45.4	34	62
35	3821	North County K-8 Center	3250 NW 207TH ST	Miami Gardens	33056	PK-5	470	96	20	10	1	NW 7 Ave	9000	75	96	71	82	52	97	3	3	10	45.4	34	85
36	2741	Key Biscayne Community School K-8 Center	150 W MCINTYRE ST	Key Biscayne	33149	PK-8	1430	536	37	33	1	Crandon Blvd	29000	30	6	23	25	52	35	27	27	132	45.9	36	28
37	3701	Norland Elementary	19340 NW 8TH CT	Miami Gardens	33169	PK-5	626	85	14	16	3	NW 2 Ave	30000	10	93	95	60	19	33	52	52	28	48.4	37	72
38	0361	Biscayne Gardens Elementary	560 NW 151ST ST	Miami	33169	PK-5	683	52	8	28	4	NW 7 Ave	27000	15	86	111	32	12	38	44	44	62	49.0	38	76
39	0521	Broadmoor Elementary	3401 NW 83RD ST	Miami	33147	PK-5	445	105	24	37	4	NW 32 Ave	17500	3	98	62	21	12	64	93	93	3	49.7	39	87
40	4341	Parkway Elementary	1320 NW 188TH ST	Miami Gardens	33169	PK-5	391	71	18	12	5	NW 183 St	33000	7	95	79	70	8	29	73	73	19	50.1	40	43
41	0121	Auburndale Elementary	3255 SW 6TH ST	Miami	33135	PK-5	890	340	38	53	0	SW 8 St	34000	5	88	20	14	89	24	77	77	51	50.3	41	51
42	0241	Ruth K. Broad/Bay Harbor K-8 Center	1155 93RD ST	Bay Harbor Island	33154	PK-8	1304	400	31	18	1	Broad Cswy	25500	33	38	41	54	52	42	25	25	124	51.9	42	22
43	5991	Charles David Wyche Jr. Elementary	5241 NW 195TH DR	Miami	33055	KG-5	710	233	33	9	1	Honey Hill Dr	10500	35	88	37	92	52	88	23	23	51	52.3	43	94
44	5201	South Hialeah Elementary	265 E 5TH ST	Hialeah	33010	PK-5	1170	591	51	46	2	E 9 St	13000	1	93	10	16	27	77	106	106	28	52.9	44	36
45	2281	Greynolds Park Elementary	1536 NE 179TH ST	North Miami Beach	33162	K-5	769	187	24	21	1	NE 15 Ave	11000	10	90	61	43	52	85	52	52	42	55.3	45	31
46	4261	Palm Springs Elementary	6304 E 1ST AVE	Hialeah	33013	PK-5	750	199	27	8	1	E 65 St	22000	10	93	55	100	52	49	52	52	28	55.4	46	95
47	1841	Flagami Elementary	920 SW 76TH AVE	Miami	33144	PK-5	468	157	34	19	0	SW 8 St	45500	5	88	34	50	89	14	77	77	51	56.0	47	100
48	4061	Ojus Elementary	18600 W DIXIE HWY	Miami	33180	PK-5	950	109	11	55	1	US 1	61000	9	78	100	11	52	8	70	70	81	56.0	47	46

PRIORITIZATION MATRIX - SRTS INFRASTRUCTURE IMPROVEMENTS (2014)

RANK	SCHOOL INFORMATION						DATA								RANKING CALCULATION												RANK_2011 **
	SCH_ID	NAME	ADDRESS	CITY	ZIP	GRADES	ENROLLMENT	STUDENTS_ HLFMILE	PCT_STUDENTS_ HLFMILE	BIKE_PED_ CRASHES	JUV_PED_ CRASHES	NEARST_STREET	TRAFFIC_VOL	PCT_WALK	PCT_LUNCH	RANK_PCT_ST DNTS_HMILE	RANK_BIKE PED	RANK_JUVEN PED	RANK_TRAFFIC	RANK_WALK*	RANK_WALK*	RANK_LUNCH	AVG_ RANK	RANK_FINAL			
49	2581	Madie Ives Elementary	20770 NE 14TH AVE	Miami	33179	K-5	756	111	15	8	0	Ives Dairy Rd	28000	50	87	90	100	89	36	11	11	59	56.6	49	78		
50	0681	Carol City Elementary	4375 NW 173RD DR	Miami Gardens	33055	PK-5	499	139	28	16	0	NW 42 Ave	3400	32	93	48	60	89	120	26	26	28	56.7	50	59		
51	4761	Royal Palm Elementary	4200 SW 112TH CT	Miami	33165	KG-5	533	220	41	24	0	SW 40 St	48000	2	90	16	38	89	12	100	100	42	56.7	50	69		
52	2371	West Hialeah Gardens Elementary	11990 NW 92ND AVE	Hialeah Gardens	33016	PK-5	1217	223	18	15	1	NW 114 St/W 60 St	26100	10	86	76	63	52	41	52	52	62	56.9	52	71		
53	0201	Banyan Elementary	3060 SW 85TH AVE	Miami	33155	PK-5	385	102	26	18	0	SW 87 Ave	32500	10	84	56	54	89	30	52	52	67	57.1	53	62		
54	4301	Parkview Elementary	17631 NW 20TH AVE	Miami Gardens	33056	PK-5	400	133	33	11	1	NW 22 Ave	10600	8	96	35	78	52	87	71	71	10	57.7	54	88		
55	2361	Hialeah Elementary	550 E 8TH ST	Hialeah	33010	PK-5	649	131	20	37	2	E 9 St	21400	1	95	72	21	27	55	106	106	19	58.0	55	67		
56	1371	Marjory Stoneman Douglas Elementary	11901 SW 2ND ST	Miami	33184	PK-5	980	91	9	14	2	NW 122 Ave	8500	40	82	107	66	27	100	20	20	71	58.7	56	79		
57	4881	Scott Lake Elementary	1160 NW 175TH ST	Miami Gardens	33169	PK-5	552	199	36	12	1	NW 12 Ave	6100	15	87	28	70	52	114	44	44	59	58.7	56	104		
58	4921	Seminole Elementary	121 SW 78TH PL	Miami	33144	PK-5	550	116	21	36	1	W Flagler St	59500	2	86	68	23	52	9	100	100	62	59.1	58	61		
59	0451	Dr. Bowman Foster Ashe Elementary	6601 SW 152ND AVE	Miami	33193	PK-5	1310	251	19	15	1	SW 157 St	16000	15	82	74	63	52	67	44	44	71	59.3	59	81		
60	5421	Sunset Park Elementary	10235 SW 84TH ST	Miami	33173	PK-5	688	73	11	19	1	SW 107 Ave	23500	20	72	103	50	52	46	38	38	93	60.0	60	129		
60	0831	Claude Pepper Elementary	14550 SW 96TH ST	Miami	33186	PK-5	690	175	25	12	1	NONE		17	68	58	70	52		42	42	98	60.3	61	88		
62	2321	Gulfstream Elementary	20900 SW 97TH AVE	Cutler Bay	33189	PK-5	727	99	14	12	2	NONE		10	84	94	70	27		52	52	67	60.3	61	57		
63	4091	Olympia Heights Elementary	9797 SW 40TH ST	Miami	33165	PK-5	509	85	17	31	1	SW 40 St	52500	1	91	82	28	52	11	106	106	39	60.6	63	105		
64	2651	Kendale Lakes Elementary	8000 SW 142ND AVE	Miami	33183	PK-5	738	172	23	10	1	SW 142 Ave		15	79	65	82	52		44	44	79	61.0	64	125		
65	3861	North Glade Elementary	5000 NW 177TH ST	Miami	33055	PK-5	368	91	25	16	0	NW 173 Dr	7200	15	94	60	60	89	107	44	44	25	61.3	65	77		
66	2341	Joe Hall Elementary	1901 SW 134TH AVE	Miami	33175	PK-5	576	173	30	9	0	SW 137 Ave	42000	10	74	43	92	89	16	52	52	90	62.0	66	127		
67	0261	Bel-Aire Elementary	10205 SW 194TH ST	Miami	33157	PK-5	415	37	9	26	1	US 1	71000	1	94	108	35	52	4	106	106	25	62.3	67	95		
68	3191	Ada Merritt K-8 Center	660 SW 3RD ST	Miami	33130	PK-8	701	34	5	105	4	W Flagler St	33500	5	31	119	2	12	26	77	77	128	63.0	68	60		
69	4741	Royal Green Elementary	13047 SW 47TH ST	Miami	33175	PK-5	547	170	31	1	0	SW 132 Ave	9800	35	88	40	128	89	92	23	23	51	63.7	69	147		
70	0841	Coconut Grove Elementary	3351 MATILDA ST	Miami	33133	PK-5	458	107	23	54	2	SW 40 St	10500	7	39	64	12	27	88	73	73	123	65.7	70	82		
71	2641	Kendale Elementary	10693 SW 93RD ST	Miami	33176	PK-5	483	59	12	29	1	SW 107 Ave	34000	8	51	98	31	52	24	71	71	116	66.1	71	121		
72	1281	Cypress Elementary	5400 SW 112TH CT	Miami	33165	PK-5	305	104	34	12	0	SW 56 St	24500	5	80	33	70	89	43	77	77	76	66.4	72	127		
73	0861	Colonial Drive Elementary	10755 SW 160TH ST	Miami	33157	PK-5	245	67	27	9	0	SW 107 Ave	11500	10	88	50	92	89	83	52	52	51	67.0	73	143		
74	4441	Pine Lake Elementary	16700 SW 109TH AVE	Miami	33157	PK-5	404	108	27	8	2	SW 168 St*	8000	4	95	53	100	27	102	87	87	19	67.9	74	117		
75	3381	Miami Springs Elementary	51 PARK ST	Miami Springs	33166	PK-5	510	75	15	20	3	Okeechobee Rd	44000	1	72	89	48	19	15	106	106	93	68.0	75	68		
76	5601	Twin Lakes Elementary	6735 W 5TH PL	Hialeah	33012	PK-5	561	182	32	17	1	E 68 St	22000	0	89	38	57	52	49	119	119	48	68.9	76	99		
77	1641	Emerson Elementary	8001 SW 36TH ST	Miami	33155	PK-5	375	128	34	12	0	SW 40 St	76500	0	88	32	70	89	3	119	119	51	69.0	77	109		
78	1761	David Fairchild Elementary	5757 SW 45TH ST	Miami	33155	PK-5	650	82	13	12	2	SW 57 Ave	17600	12	35	97	70	27	63	51	51	127	69.4	78	131		
79	2701	Kenwood K-8 Center	9300 SW 79TH AVE	Miami	33156	PK-8	1050	168	16	11	0	SW 88 St	35000	10	54	86	78	89	21	52	52	112	70.0	79	86		
80	1241	Cutler Ridge Elementary	20210 CORAL SEA RD	Miami	33189	PK-5	750	137	18	8	2	Caribbean Blvd	4700	20	70	78	100	27	116	38	38	96	70.4	80	112		
81	5641	Village Green Elementary	12265 SW 34TH ST	Miami	33175	PK-5	375	121	32	9	0	SW 122 Ave	13000	10	73	39	92	89	77	52	52	92	70.4	80	111		
82	0961	Coral Gables K-8 Preparatory Academy ES	105 MINORCA AVE	Coral Gables	33134	PK-5	531	151	28	112	2	Ponce De Leon Bl	11000	1	40	47	1	27	85	106	106	122	70.6	82	55		
83	5521	Tropical Elementary	4545 SW 104TH AVE	Miami	33165	PK-5	467	64	14	3	0	SW 107 Ave	34500	10	81	93	117	89	22	52	52	74	71.3	83	135		
84	3111	Wesley Matthews Elementary	12345 SW 18TH TER	Miami	33175	PK-5	548	191	35	10	0	NONE		5	80	29	82	89		77	77	76	71.7	84	136		
85	1081	Coral Terrace Elementary	6801 SW 24TH ST	Miami	33155	PK-5	495	132	27	12	1	SW 24 St	22000	0	91	54	70	52	49	119	119	39	71.7	85	116		
85	1001	Coral Park Elementary	1225 SW 97TH AVE	Miami	33174	PK-5	1067	175	16	17	1	SW 97 Ave	14900	5	76	85	57	52	70	77	77	85	71.9	86	114		
87	4691	Jane S. Roberts K-8 Center	14850 COTTONWOOD CIR	Miami	33185	PK-8	853	83	10	8	1	NONE		25	61	106	100	52		34	34	107	72.2	87	145		
87	5081	Skyway Elementary	4555 NW 206TH TER	Miami Gardens	33055	PK-5	456	71	16	7	0	NW 47 Ave	24000		92	87	109	89	44		34	72.6	88	130			
89	1481	John G. Dupuis Elementary	1150 W 59TH PL	Hialeah	33012	PK-5	684	196	29	8	2	W 12 Ave	19000	0	90	46	100	27	58	119	119	42	73.0	89	106		
90	2441	Virginia A. Boone/Highland Oaks Elementary	20500 NE 24TH AVE	Miami	33180	PK-5	733	14	2	10	0	NE 203 St	64000	15	45	127	82	89	6	44	44	119	73.0	89	123		
91	5061	Dr. Carlos J. Finlay Elementary	851 SW 117TH AVE	Miami	33174	PK-5	510	0	0	18	3</																



Prioritization Matrix - SRTS Infrastructure Improvements (2014)

Rank	School Information						Data							Ranking Calculation											Rank_2011 **
	Sch_ID	Name	Address	City	Zip	Grades	Enrollment	Students_ HLFMile	Pct_Students HLFMile	Bike_Ped_ Crashes	Juv_Ped_ Crashes	Nearst_Street	Traffic_Vol	Pct_Walk	Pct_Lunch	Rank_Pct_St Dnts_HMile	Rank_Bike Ped	Rank_Juven Ped	Rank Traffic	Rank_Walk*	Rank_Walk*	Rank_Lunch	Avg_ Rank	Rank_ Final	
97	0122	Dr. Rolando Espinosa K-8 Center	11250 NW 86TH ST	Doral	33178	KG-8	1614	487	30	1	0	NW 112 Ave		25	38	42	128	89		34	34	124	75.2	97	84
98	4031	Gateway Environmental K-8 Learning Center	955 SE 18TH AVE	Homestead	33035	KG-8	1725	60	3	2	0	SW 328 St	7000	41	89	121	124	89	109	19	19	48	75.6	98	149
99	0073	Mandarin Lakes K-8 Academy	12225 SW 280TH ST	Miami	33032	KG-8	1122	121	11	3	0	SW 280 St	6400	20	92	102	117	89	112	38	38	34	75.7	99	155
100	5131	North Dade Center For Modern Languages ES	16001 BUNCHE PARK SCHOOL DR	Miami Gardens	33054	KG-5	404	3	1	30	4	NW 22 Ave	14000	1	76	129	30	12	73	106	106	85	77.3	100	70
101	2151	Jack D. Gordon Elementary	14600 COUNTRY WALK DR	Miami	33186	PK-5	1100	82	7	1	1	SW 152 St	19000	10	75	112	128	52	58	52	52	88	77.4	101	74
101	1721	Everglades K-8 Center	8375 SW 16TH ST	Miami	33155	PK-8	1138	393	35	14	0	SW 16 St	9300	4	74	31	66	89	96	87	87	90	78.0	102	124
103	5401	Sunset Elementary	5120 SW 72ND ST	Miami	33143	PK-5	1095	79	7	63	1	SW 72 St	9000		12	114	7	52	97			131	80.2	103	103
104	4511	Dr. Gilbert L. Porter Elementary	15851 SW 112TH ST	Miami	33196	K-5	750	132	18	4	0	SW 157 Ave	13500	10	65	81	113	89	76	52	52	102	80.7	104	110
105	5831	Henry S. West Laboratory School	5300 CARILLO ST	Coral Gables	33146	KG-6	278	1	0	40	1	US 1	87000	0	17	131	20	52	1	119	119	130	81.7	105	83
106	2521	Oliver Hoover Elementary	9050 HAMMOCKS BLVD	Miami	33196	PK-5	802	47	6	25	3	Hammocks Blvd	6900	2	68	117	37	19	111	100	100	98	83.1	106	90
107	0125	Norma Butler Bossard Elementary	15950 SW 144TH ST	Miami	33196	PK-5	1268	208	16	5	0	SW 152 St	19000	7	63	84	111	89	58	73	73	104	84.6	107	113
108	5951	Whispering Pines Elementary	18929 SW 89TH RD	Miami	33157	PK-5	640	125	20	3	0	SW 87 Ave	8400	10	60	73	117	89	101	52	52	110	84.9	108	120
108	5671	Vineland K-8 Center	8455 SW 119TH ST	Miami	33156	PK-8	898	34	4	9	1	SW 87 Ave	19400	5	37	120	92	52	57	77	77	126	85.9	109	137
110	0211	Dr. Manuel C. Barreiro Elementary	5125 SW 162ND AVE	Miami	33185	PK-5	689	114	17	10	1	SW 162 Ave		2	65	83	82	52		100	100	102	86.5	110	107
111	2511	Zora Neale Hurston Elementary	13137 SW 26TH ST	Miami	33175	PK-5	837	10	1	6	2	SW 18 St			78	128	110	27				81	86.5	110	148
112	0311	Goulds Elementary	23555 SW 112TH AVE	Miami	33032	PK-5	609	66	11	4	0	SW 112 St	9000	4	92	101	113	89	97	87	87	34	86.9	112	139
113	5441	Sylvania Heights Elementary	5901 SW 16TH ST	West Miami	33155	PK-5	529	175	33	10	0	SW 62 Ave	7200	1	76	36	82	89	107	106	106	85	87.3	113	97
114	2881	Leewood K-8 Center	10343 SW 124TH ST	Miami	33176	PK-8	824	116	14	3	0	SW 120 St	28000	5	27	92	117	89	36	77	77	129	88.1	114	114
115	2021	Gloria Floyd Elementary	12650 SW 109TH AVE	Miami	33176	PK-5	615	20	3	3	2	SW 128 St	12000	4	68	122	117	27	81	87	87	98	88.4	115	152
116	5981	Dr. Edward L. Whigham Elementary	21545 SW 87TH AVE	Miami	33189	PK-5	702	36	5	5	2	SW 87 Ave	4800	4	80	118	111	27	115	87	87	76	88.7	116	119
117	5101	John I. Smith K-8 Center	10415 NW 52ND ST	Doral	33178	K-5	1385	115	8	2	0	NW 58 Ave	33500	5	44	109	124	89	26	77	77	121	89.0	117	131
118	0671	Calusa Elementary	9580 W CALUSA CLUB DR	Miami	33186	PK-5	864	88	10	8	0	NW 137 Ave	41500	1	47	104	100	89	17	106	106	118	91.4	118	122
118	2891	William Lehman Elementary	10990 SW 113TH PL	Miami	33176	PK-5	691	104	15	10	0	SW 117 Ave	32000	0	54	88	82	89	31	119	119	112	91.4	118	126
120	0231	Aventura Waterways K-8 Center	21101 NE 26TH AVE	Miami	33180	KG-8	1879	52	3	21	1	W Dixie Hwy	4300	3	45	124	43	52	117	93	93	119	91.6	120	138
121	0251	Ethel Koger Beckham Elementary	4702 SW 143RD CT	Miami	33175	PK-5	800	214	27	3	0	SW 47 St	7300	3	70	52	117	89	105	93	93	96	92.1	121	140
122	3101	Frank C. Martin International K-8 Center	14250 BOGGS DR	Miami	33176	PK-8	1123	34	3	8	2	Lincoln Blvd	11900	2	53	123	100	27	82	100	100	115	92.4	122	133
123	2261	Greenglade Elementary	3060 SW 127TH AVE	Miami	33175	PK-5	466	38	8	3	1	SW 127 Ave	10500	2	77	110	117	52	88	100	100	84	93.0	123	144
124	0271	Bent Tree Elementary	4861 SW 140TH AVE	Miami	33175	KG-5	556	80	14	2	1	SW 47 St	7300	1	79	91	124	52	105	106	106	79	94.7	124	141
125	4281	Palm Springs North Elementary	17615 NW 82ND AVE	Miami	33015	PK-5	1045	137	13	0	0	NW 82 Ave	7600	5	72	96	131	89	104	77	77	93	95.3	125	118
126	5005	David Lawrence Jr. K-8 Center	15000 BAY VISTA BLVD	North Miami	33181	KG-8	1706	173	10	11	0	NE 151 Street	1500	3	75	105	78	89	123	93	93	88	95.6	126	142
127	0041	Air Base Elementary	12829 SW 272ND ST	Miami	33032	PK-5	794	20	3	10	1	SW 268 St	9500	1	61	126	82	52	93	106	106	107	96.0	127	154
127	1691	Christina M. Eve Elementary	16251 SW 99TH ST	Miami	33196	PK-5	670	119	18	4	0	SW 162 Ave		3	54	80	113	89		93	93	112	96.7	128	134
129	3281	Miami Lakes K-8 Center	14250 NW 67TH AVENUE	Miami Lakes	33014	PK-8	1382	35	3	2	0	NW 67 Ave	21500	3	49	125	124	89	54	93	93	117	99.3	129	N/A
130	5121	Snapper Creek Elementary	10151 SW 64TH ST	Miami	33173	PK-5	506	32	6	8	0	SW 102 Ave	9500	0	63	116	100	89	93	119	119	104	105.7	130	153
131	5361	Springview Elementary	1122 BLUEBIRD AVE	Miami Springs	33166	PK-5	460	56	12	4	0	NW 67 Ave	3100	1	56	99	113	89	121	106	106	111	106.4	131	146
132	4581	Redland Elementary	24501 SW 162ND AVE	Miami	33031	PK-5	876	4	0	0	0	SW 248 St	3000	0	88	130	131	89	122	119	119	51	108.7	132	150

\* 'Percent of students walking to the school' was weighted by a factor of 2 in the ranking process.

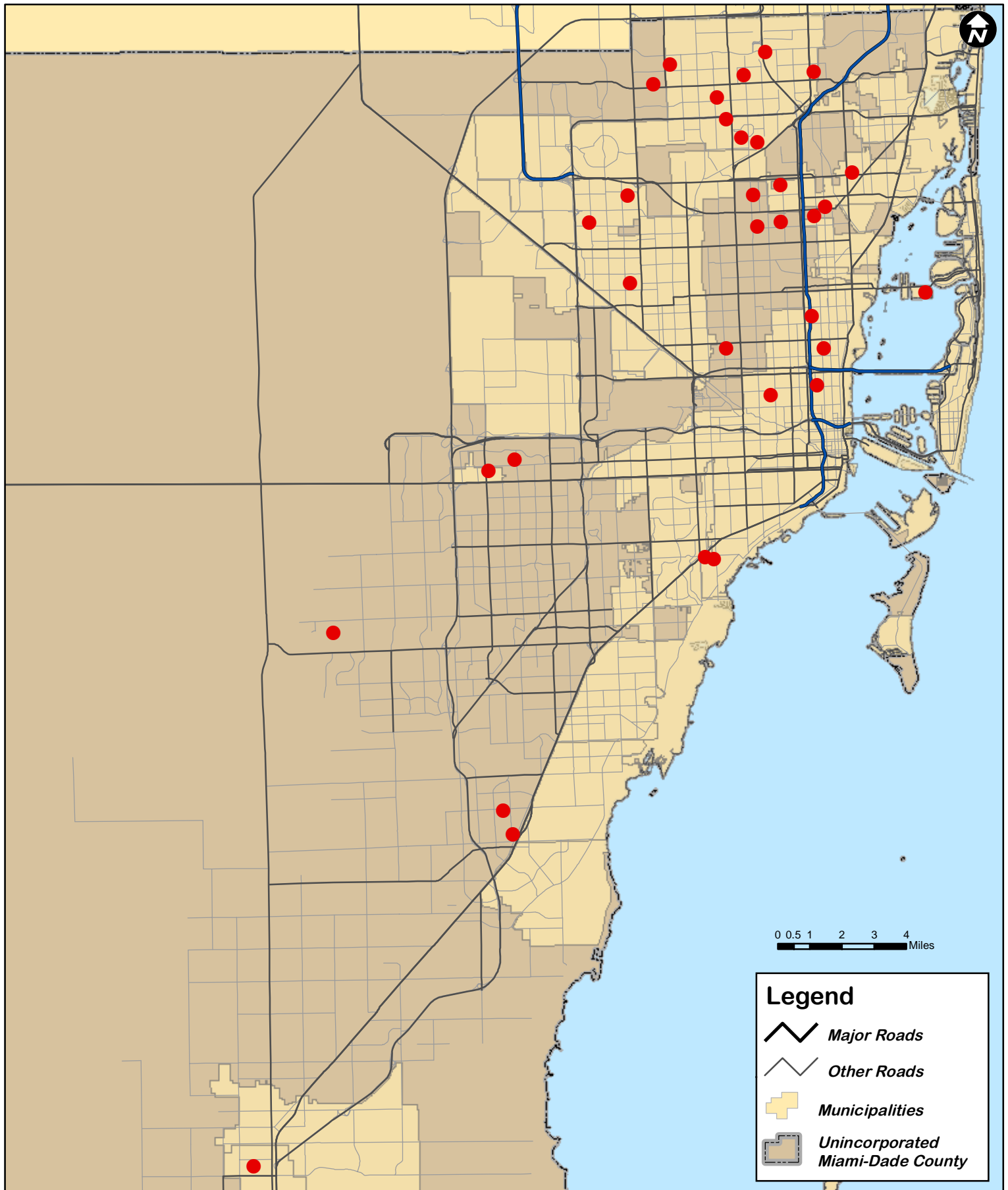
\*\* Rankings were developed in 2011. SRTS plans have been developed for over 20 top ranked schools.



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## SRTS PRIORITIZATION RESULTS - 2014

### GEOGRAPHIC DISTRIBUTION OF FIRST QUARTILE (1-33) OF SCHOOLS



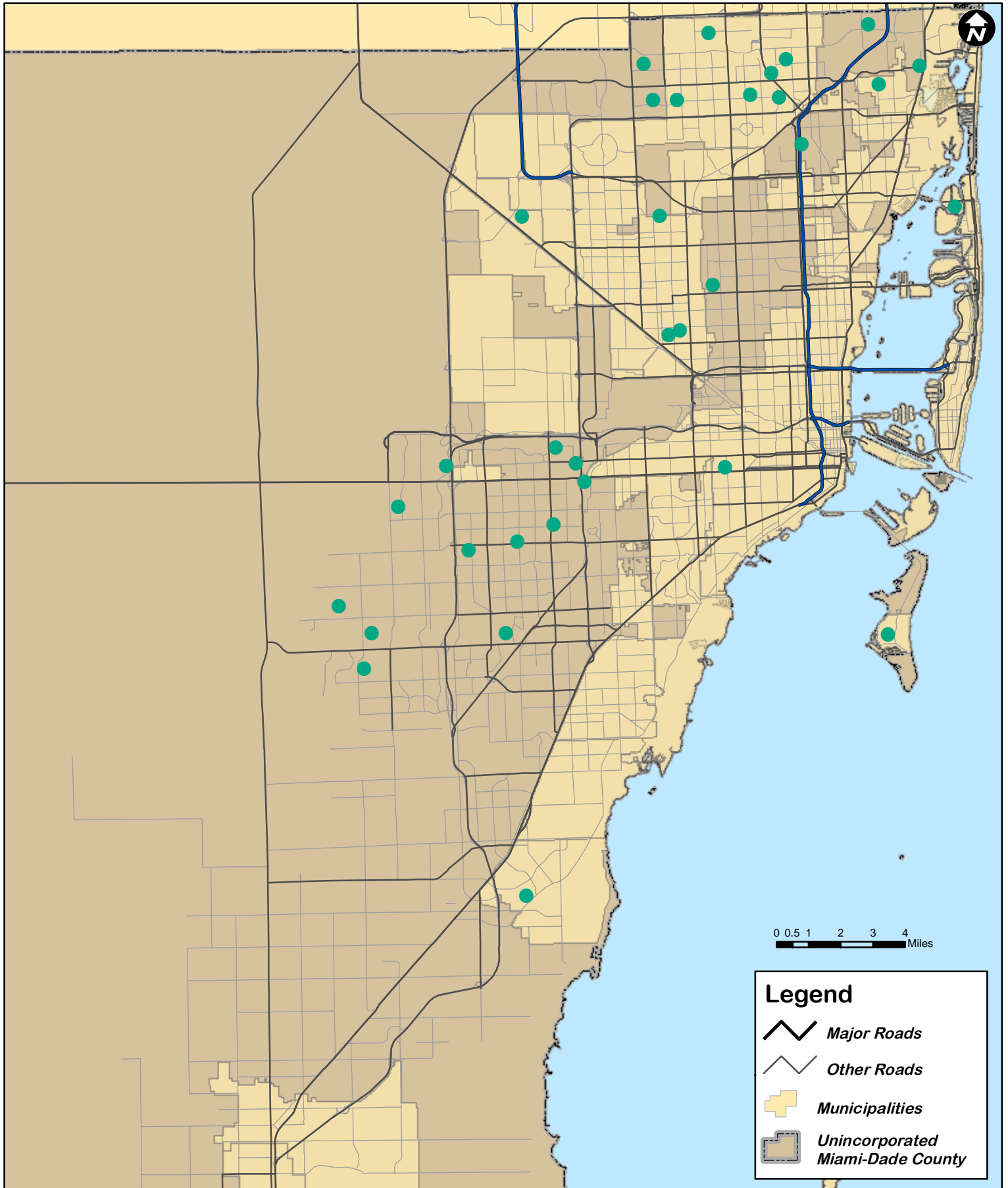




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## SRTS PRIORITIZATION RESULTS - 2014

### GEOGRAPHIC DISTRIBUTION OF SECOND QUARTILE (34-66) OF SCHOOLS

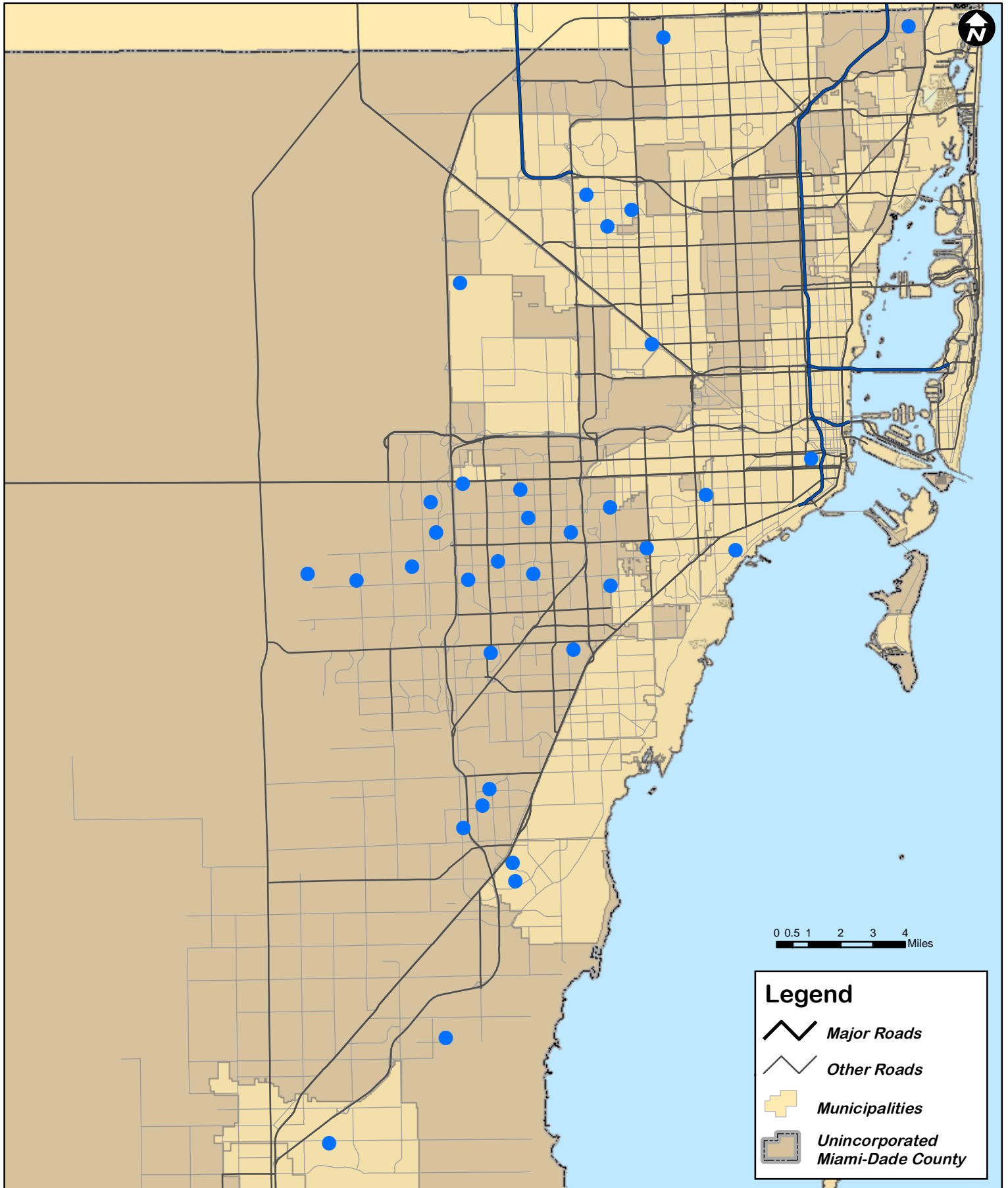




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## SRTS PRIORITIZATION RESULTS - 2014

### GEOGRAPHIC DISTRIBUTION OF THIRD QUARTILE (67-99) OF SCHOOLS



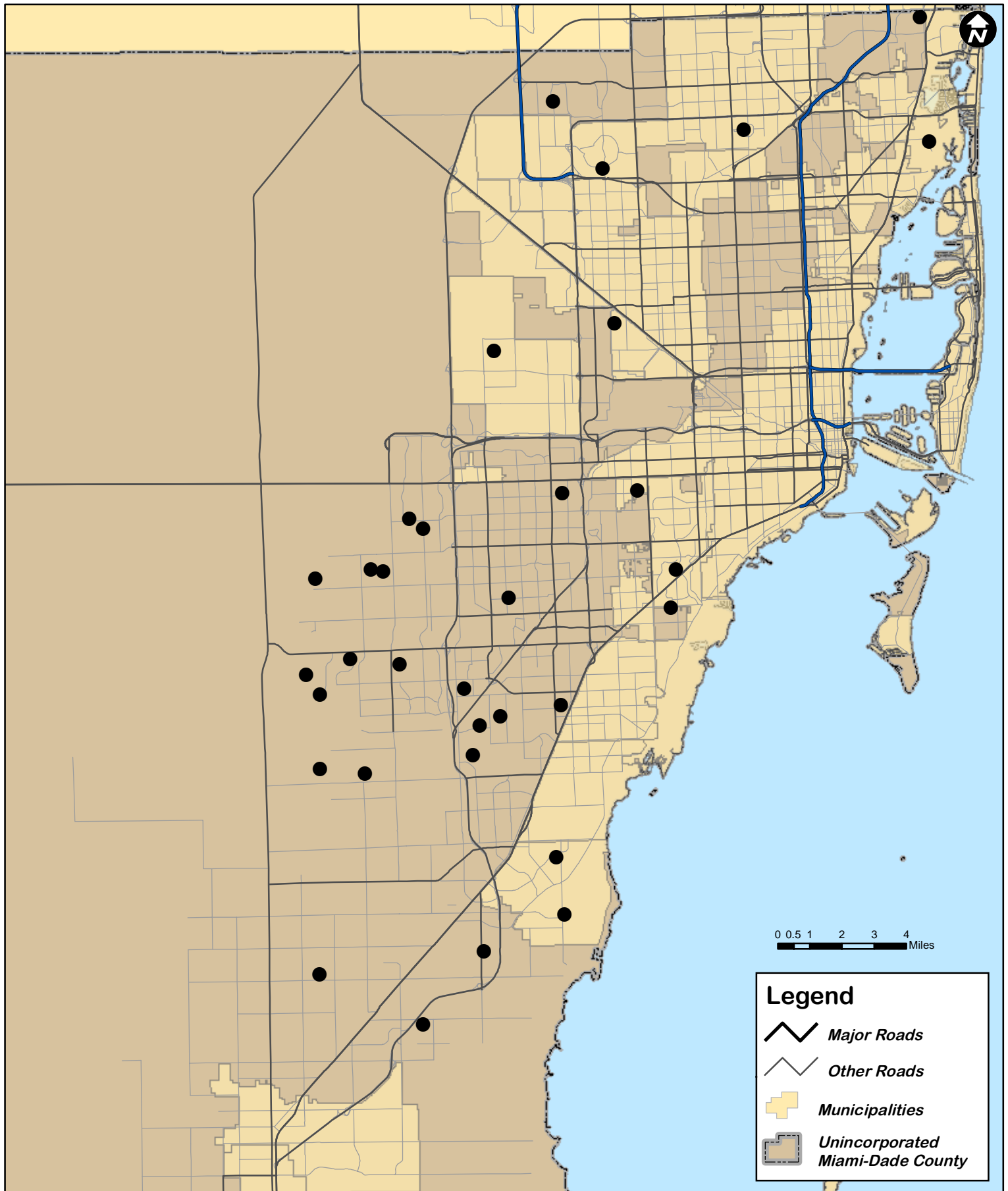




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## SRTS PRIORITIZATION RESULTS - 2014

### GEOGRAPHIC DISTRIBUTION OF FOURTH QUARTILE (100-132) OF SCHOOLS





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## SRTS PRIORITIZATION RESULTS - 2014 GEOGRAPHIC DISTRIBUTION OF PRIORITIZED SCHOOLS

