



Village of Palmetto Bay Villagewide Traffic Calming Study

DISTRICT 1: FOLLOW-UP MEETING

Identification of Critical Locations



AGENDA

- ▶ Review of Kick-Off Meeting
 - ▶ District I – 12/20/16 @ Village Chambers (136th St. to 152nd St.)
- ▶ Study Overview of Data Collection
- ▶ Traffic Calming Criteria
- ▶ Next Steps



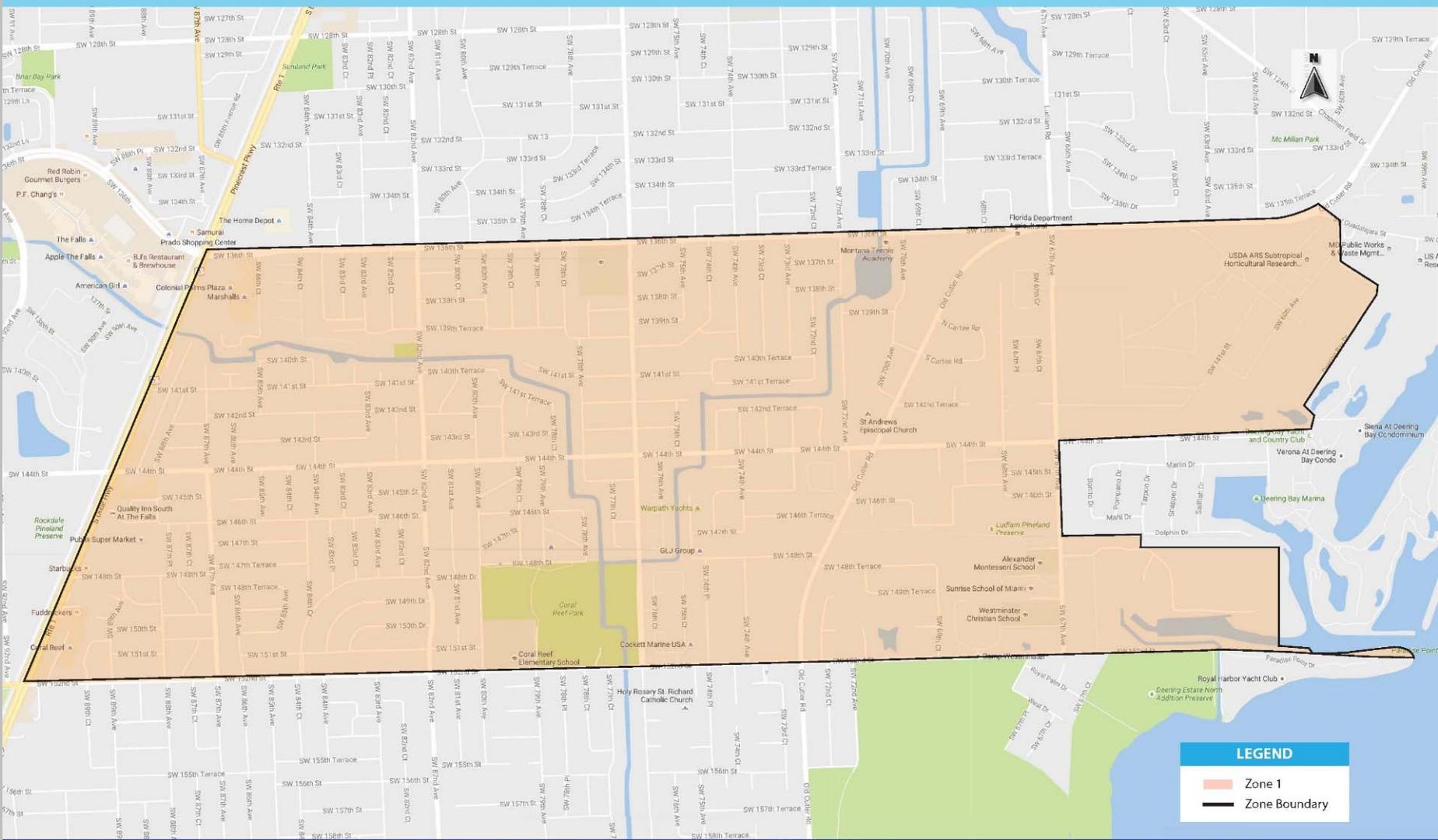


DISTRICT 1



● CUT-THROUGH
 ● SPEED
 ● VOLUME
 ● SAFETY

ZONE 1



LEGEND

- Zone 1
- Zone Boundary





STUDY PURPOSE

The purpose and goal of the study is to identify particular locations within the Village of Palmetto Bay which present speeding, traffic volume, or cut-through problems and to develop traffic calming measures to address them.





STUDY METHODOLOGY

- ▶ Collect existing traffic data
- ▶ Perform traffic calming analysis
- ▶ Determine critical locations within the Village
- ▶ Prepare recommendations to address issues





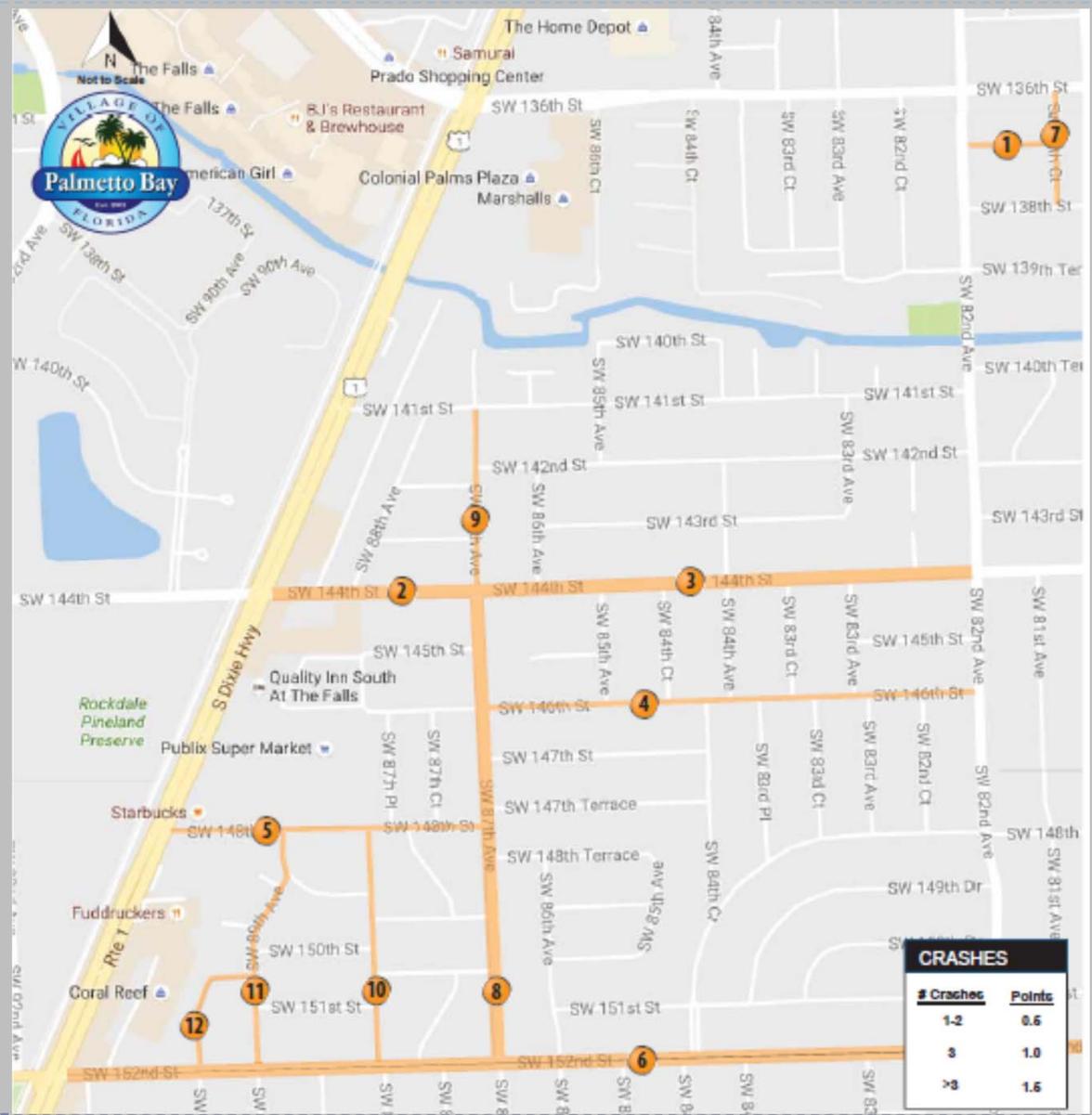
DATA COLLECTION

- ▶ Based on Resident Concerns and Staff input
 - ▶ Traffic Volume Data
 - ▶ Traffic Speed Data
 - ▶ Crash Data
 - ▶ Comment Responses
 - More than 2000 collected



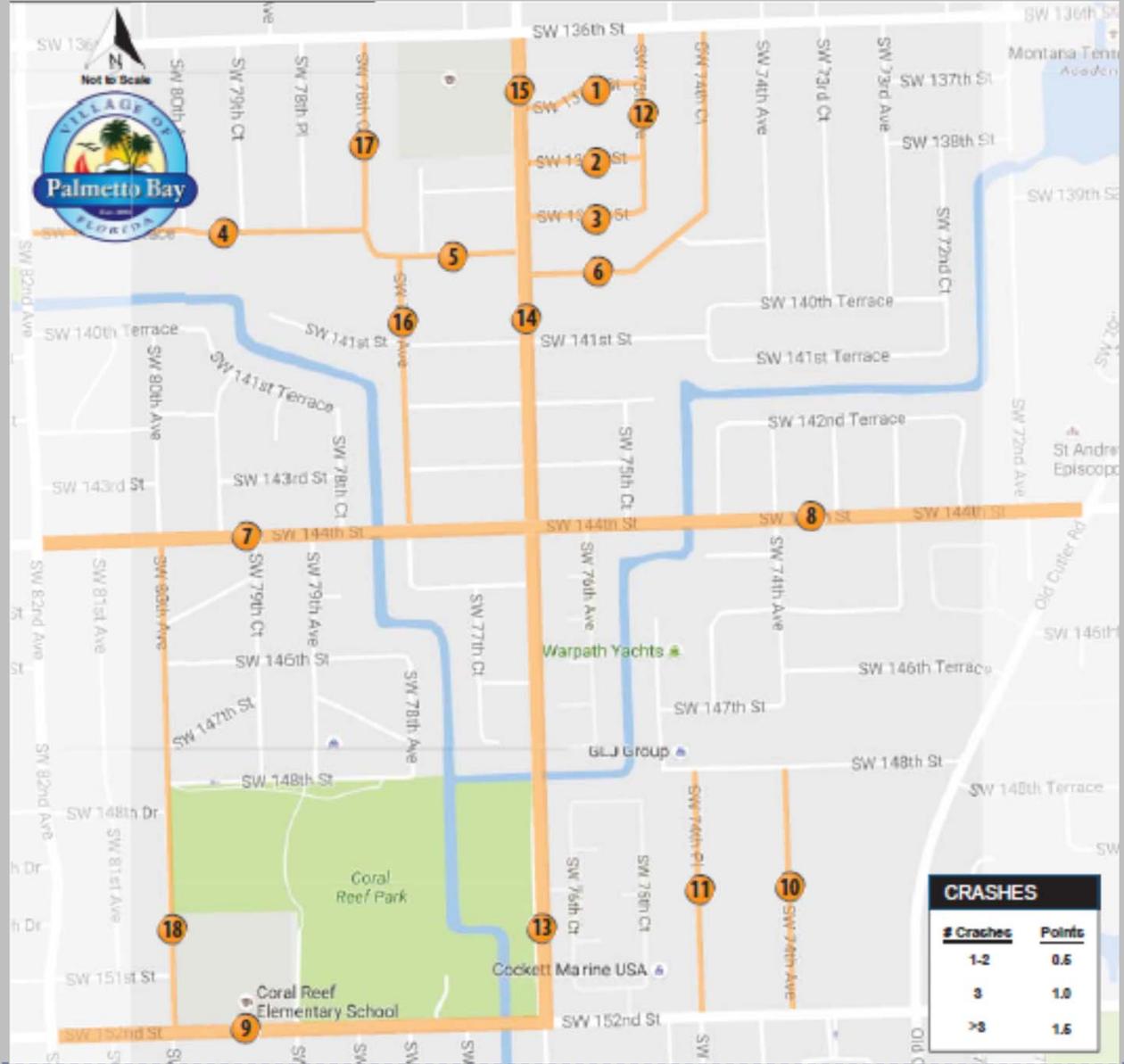


DATA COLLECTION

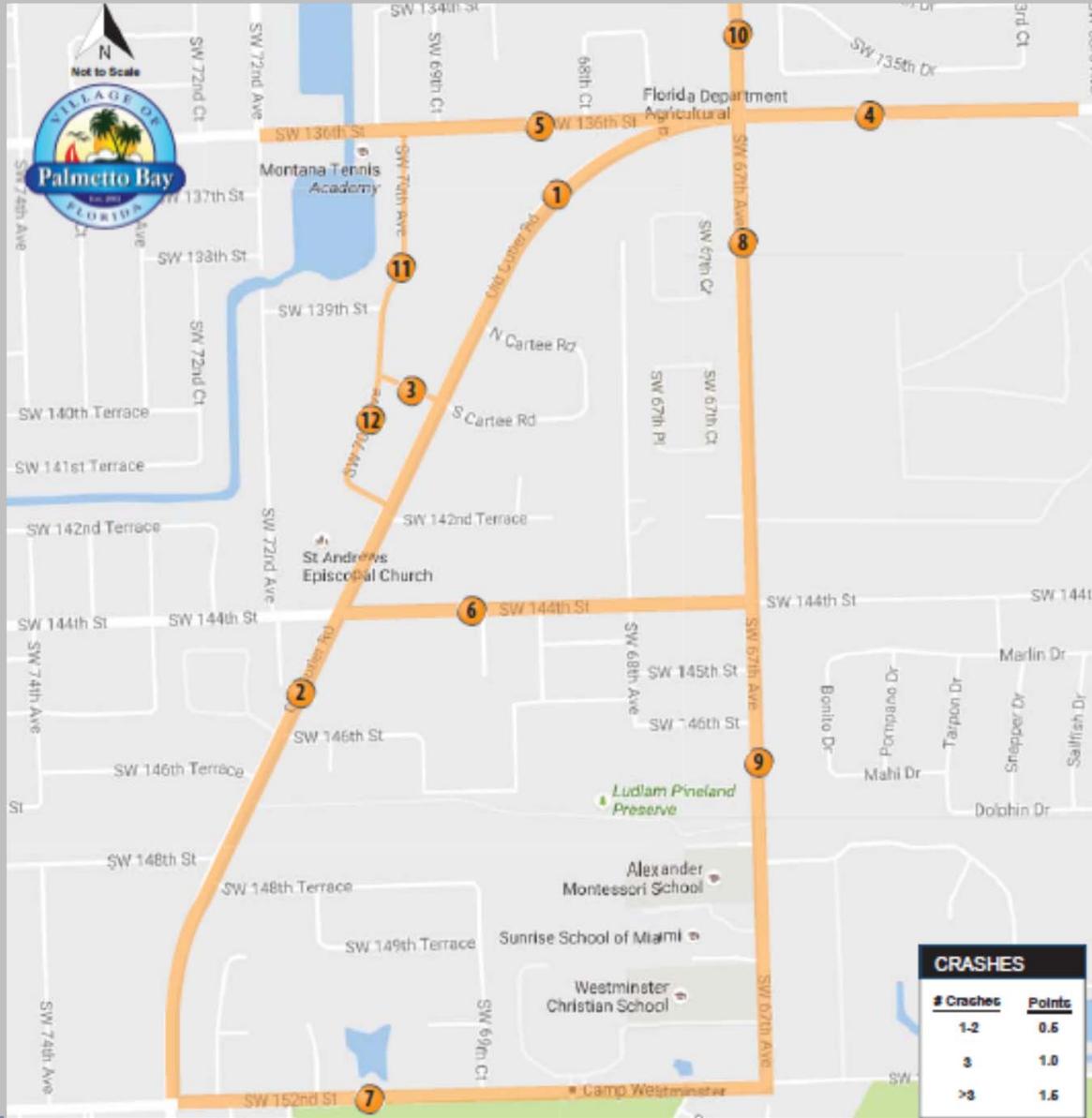




DATA COLLECTION



DATA COLLECTION





MEASURED SPEED

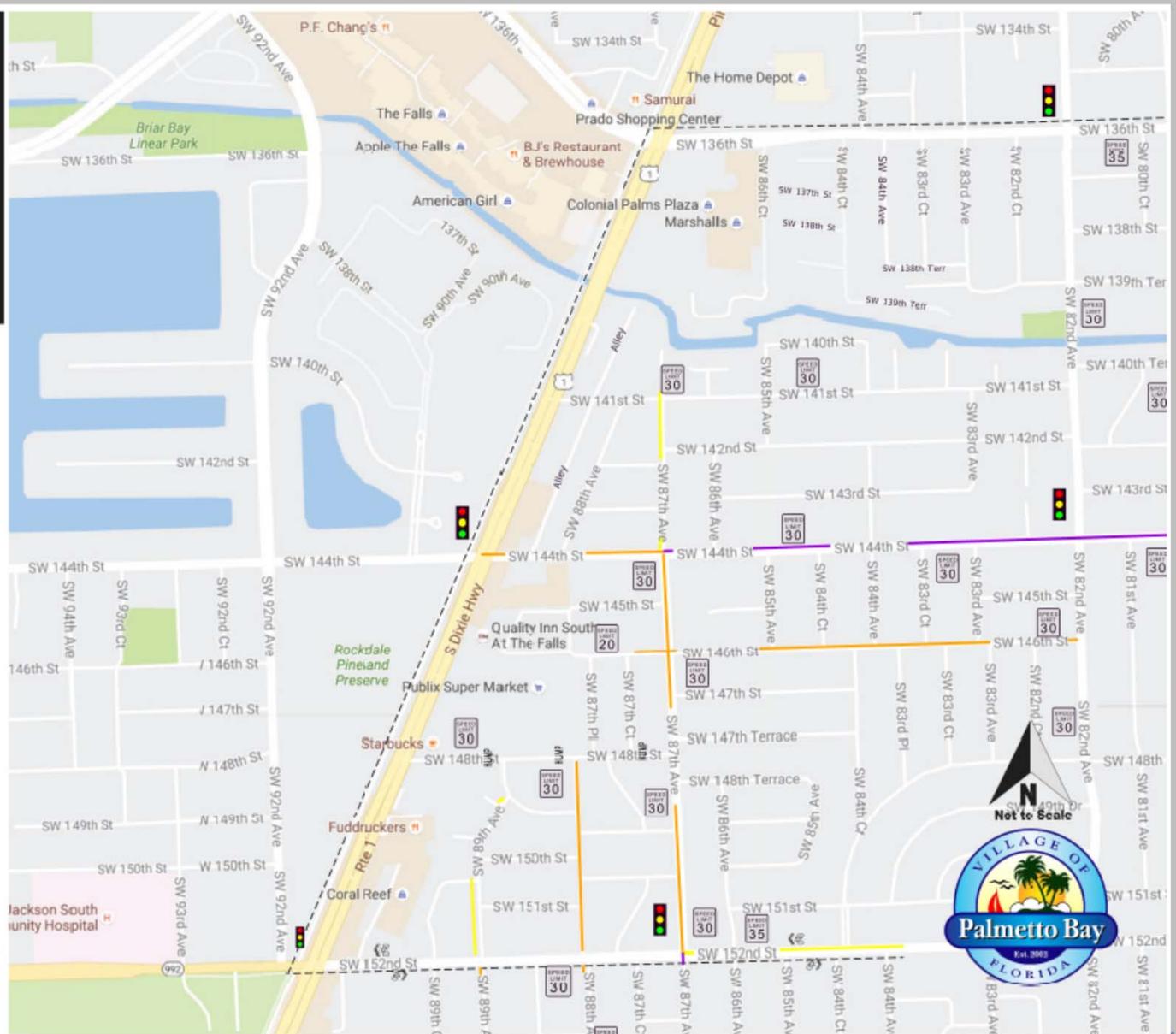
Measured Speed

85th Percentile Speed above Posted Speed Limit

LEGEND

< 4.6 mph		0.5 points
4.7 to 7.5 mph		1.0 points
7.6 to 10.5 mph		1.5 points
10.6 to 13.5 mph		2.0 points
13.6 to 16.5 mph		2.5 points
>16.5 mph		3.0 points

	Traffic Signal		Speed Humps
	Posted Speed Limit		Street Closures
	Schools Zones		Roundabout
	Bike Lanes		Chicanes
	Green Sharrows		Traffic Circles





MEASURED SPEED

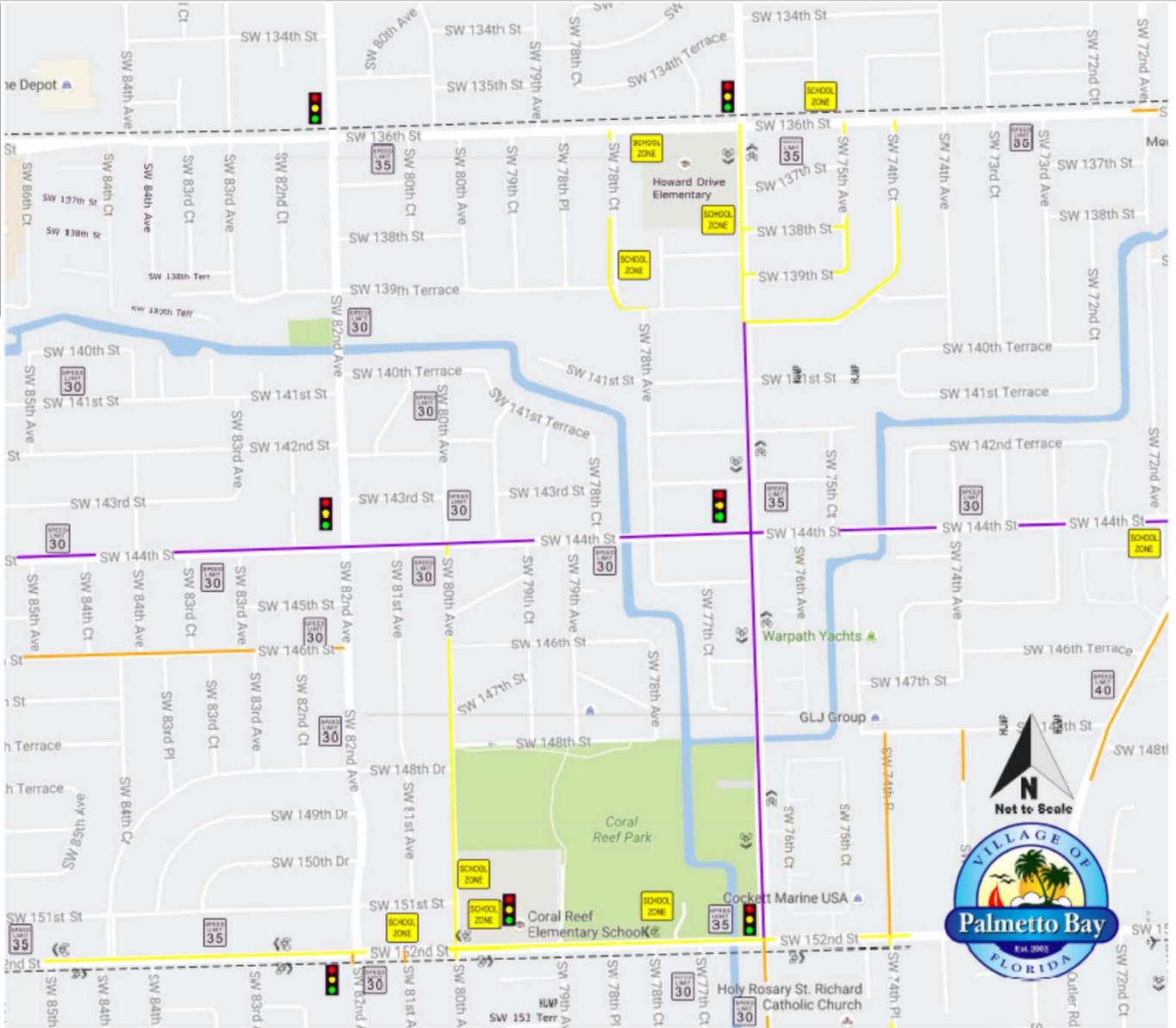
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MARLIN



MARLIN



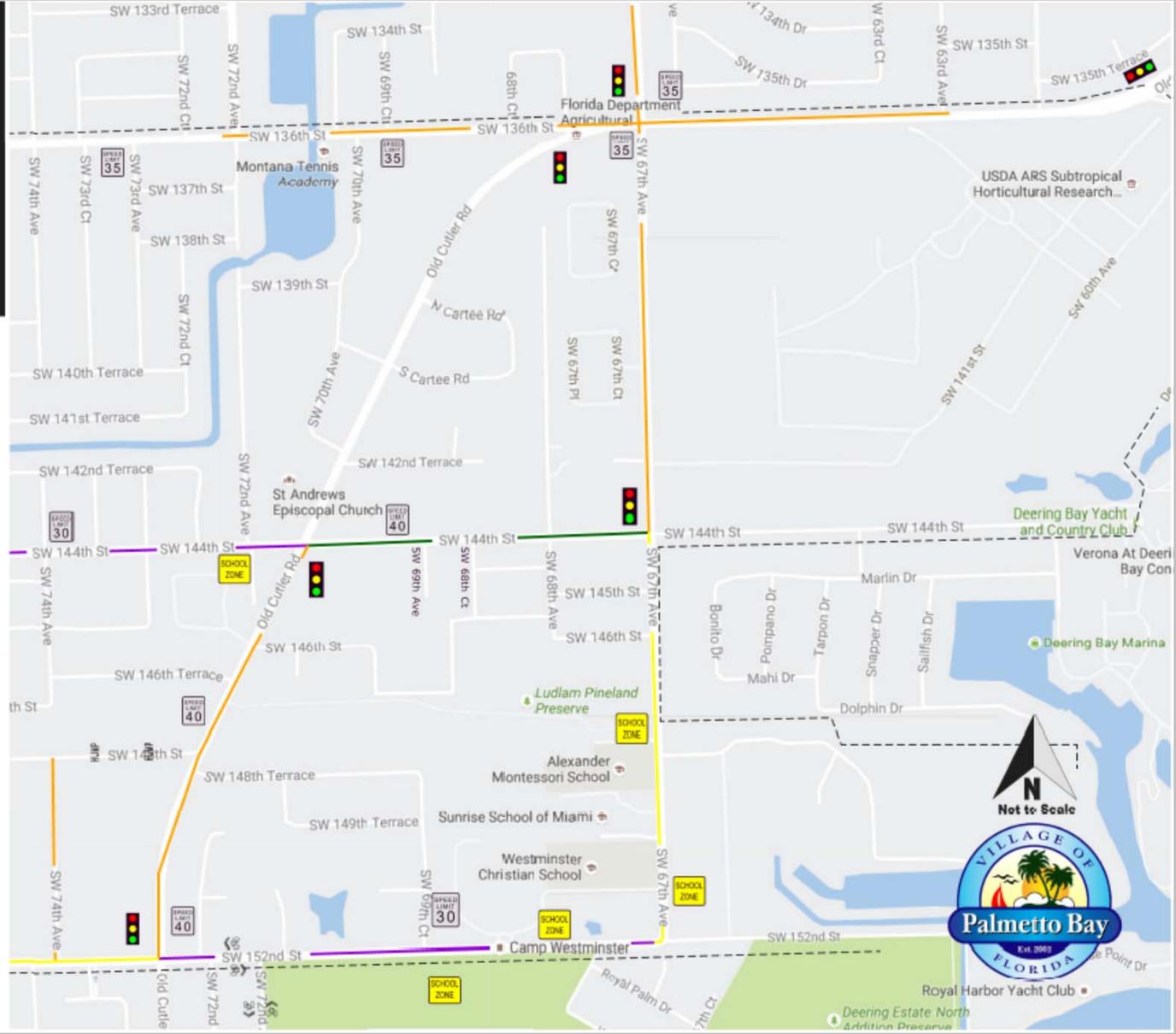
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 - 13.6 to 16.5 mph** 2.5 points
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- Traffic Signal**
 - Posted Speed Limit**
 - Schools Zones**
 - Bike Lanes**
 - Green Sharrows**
 - Speed Humps**
 - Street Closures**
 - Roundabout**
 - Chicanes**
 - Traffic Circles**





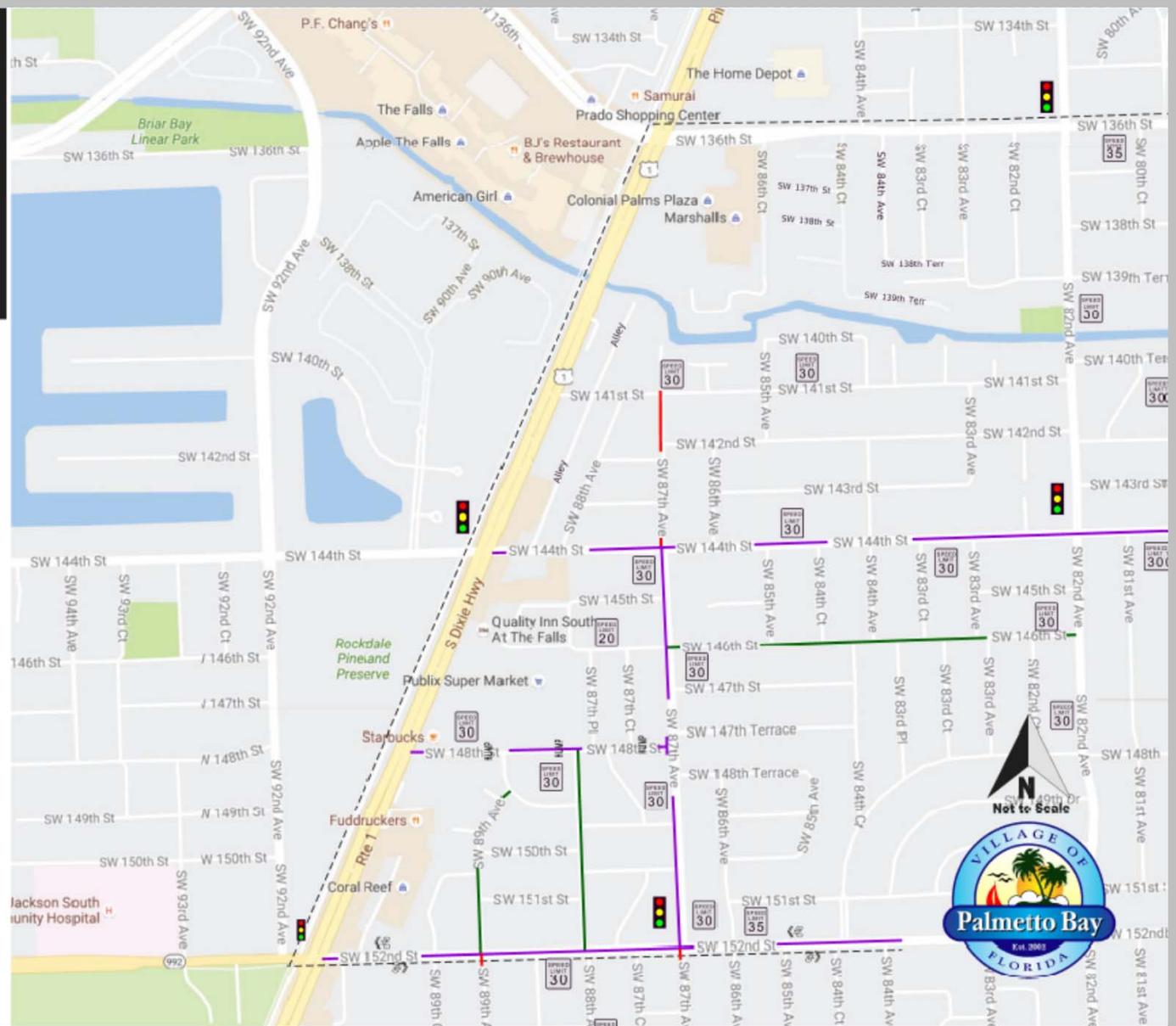
MEASURED VOLUME

24 Hour Vehicle Counts

LEGEND

- 500-750 Vehicles** 0.5 points
- 751-1,100 Vehicles** 1.0 points
- 1,100-1,700 Vehicles** 1.5 points
- 1,701-2,300 Vehicles** 2.0 points
- >2,300 Vehicles** 2.5 points

- Traffic Signal
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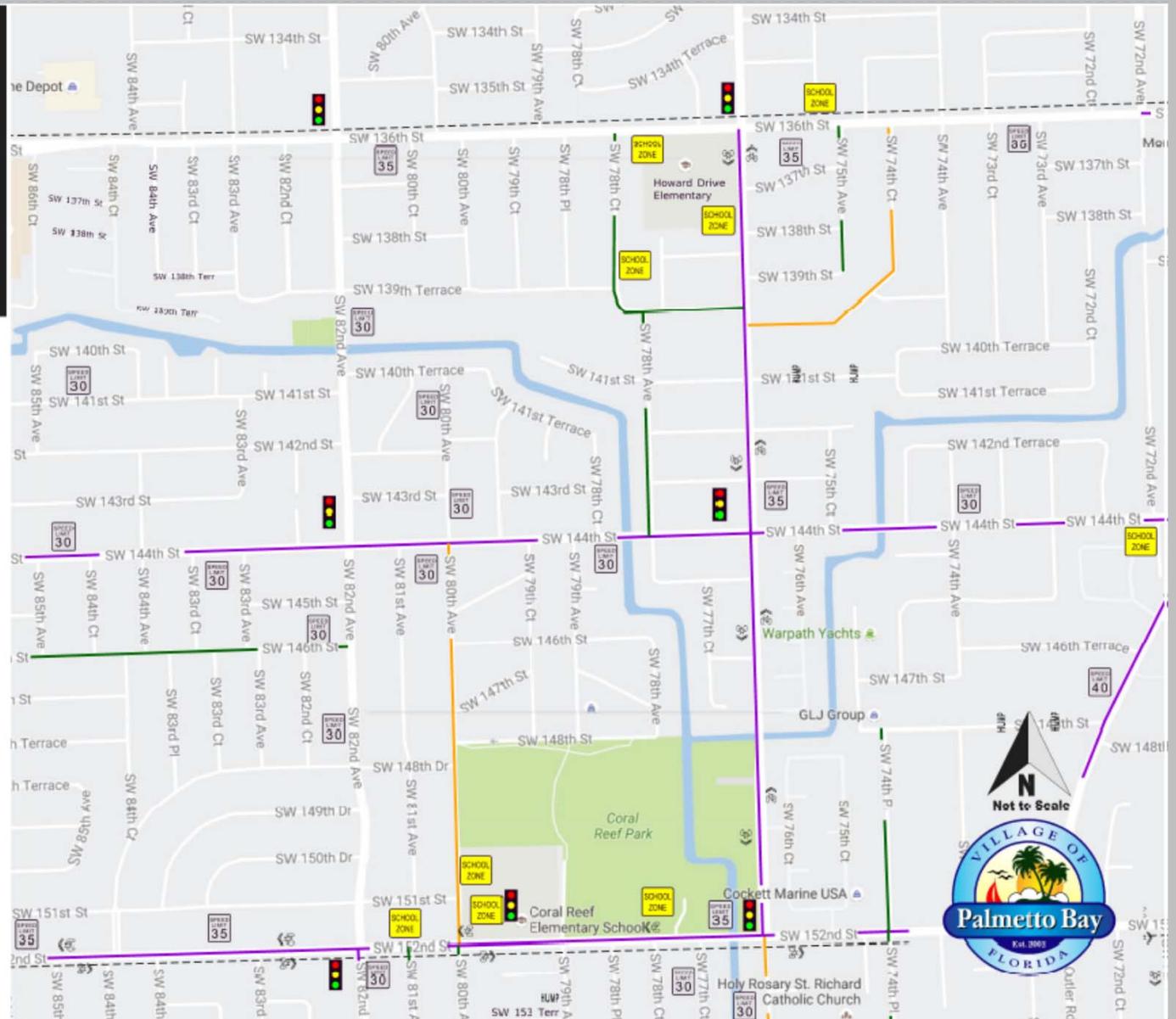
MEASURED VOLUME

24 Hour Vehicle Counts

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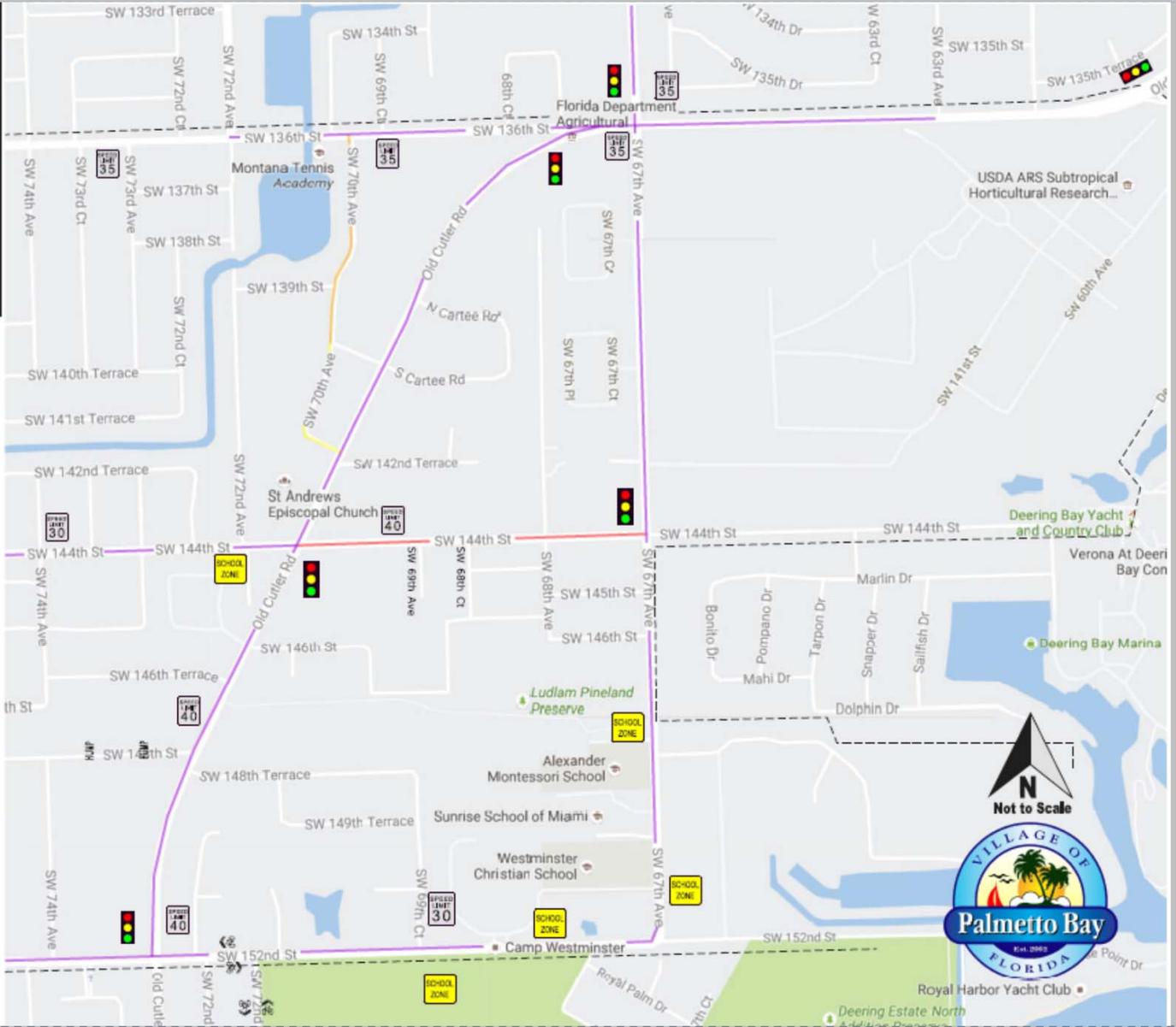
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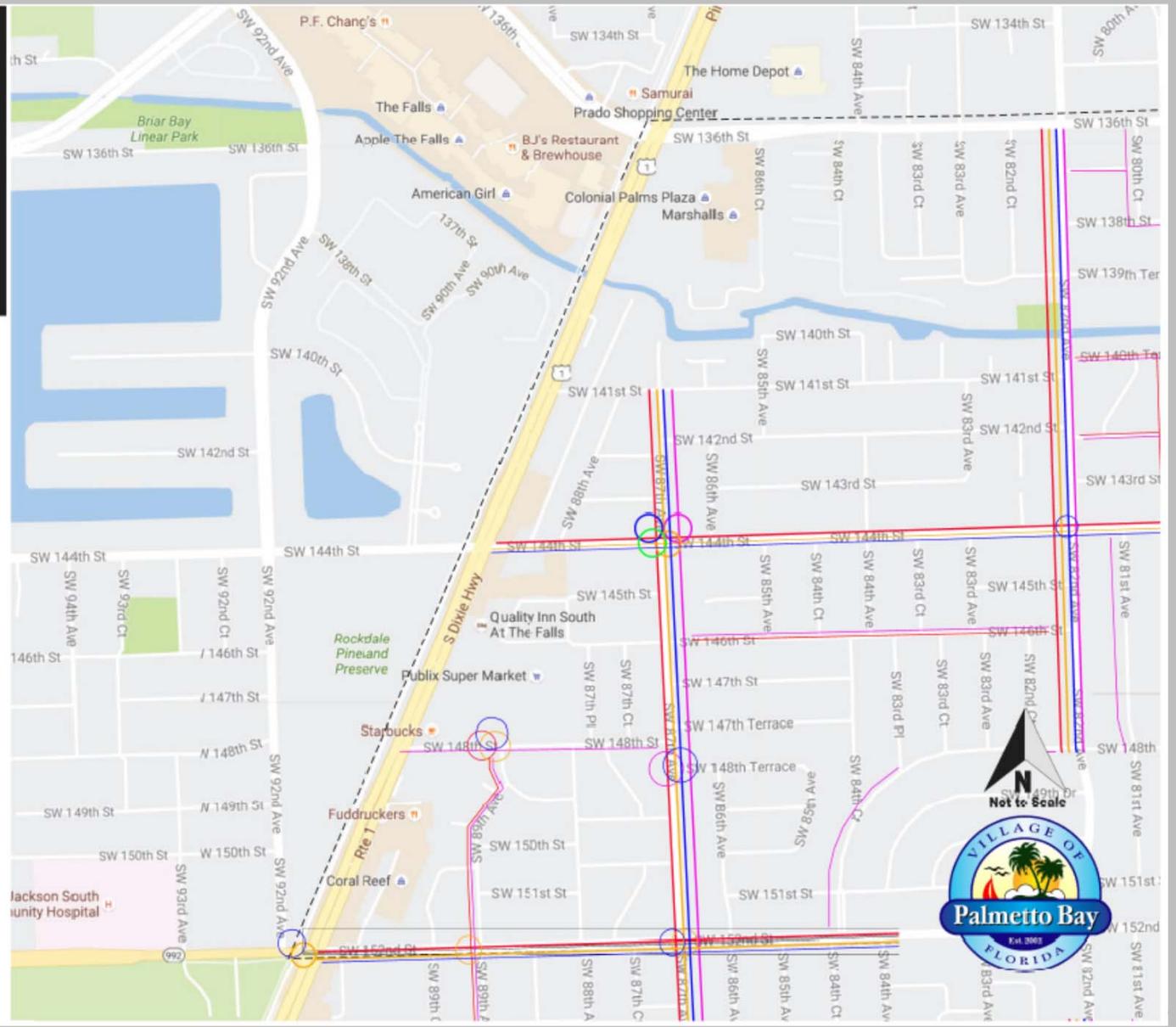


PUBLIC COMMENTS

Public Comments

LEGEND

- Speed complaint point
- Speed complaint segment
- Traffic Volume complaint point
- Traffic Volume complaint segment
- Cut-through complaint point
- Cut-through complaint segment
- Bike/Pedestrian complaint point
- Bike/Pedestrian complaint segment
- Signage complaint point



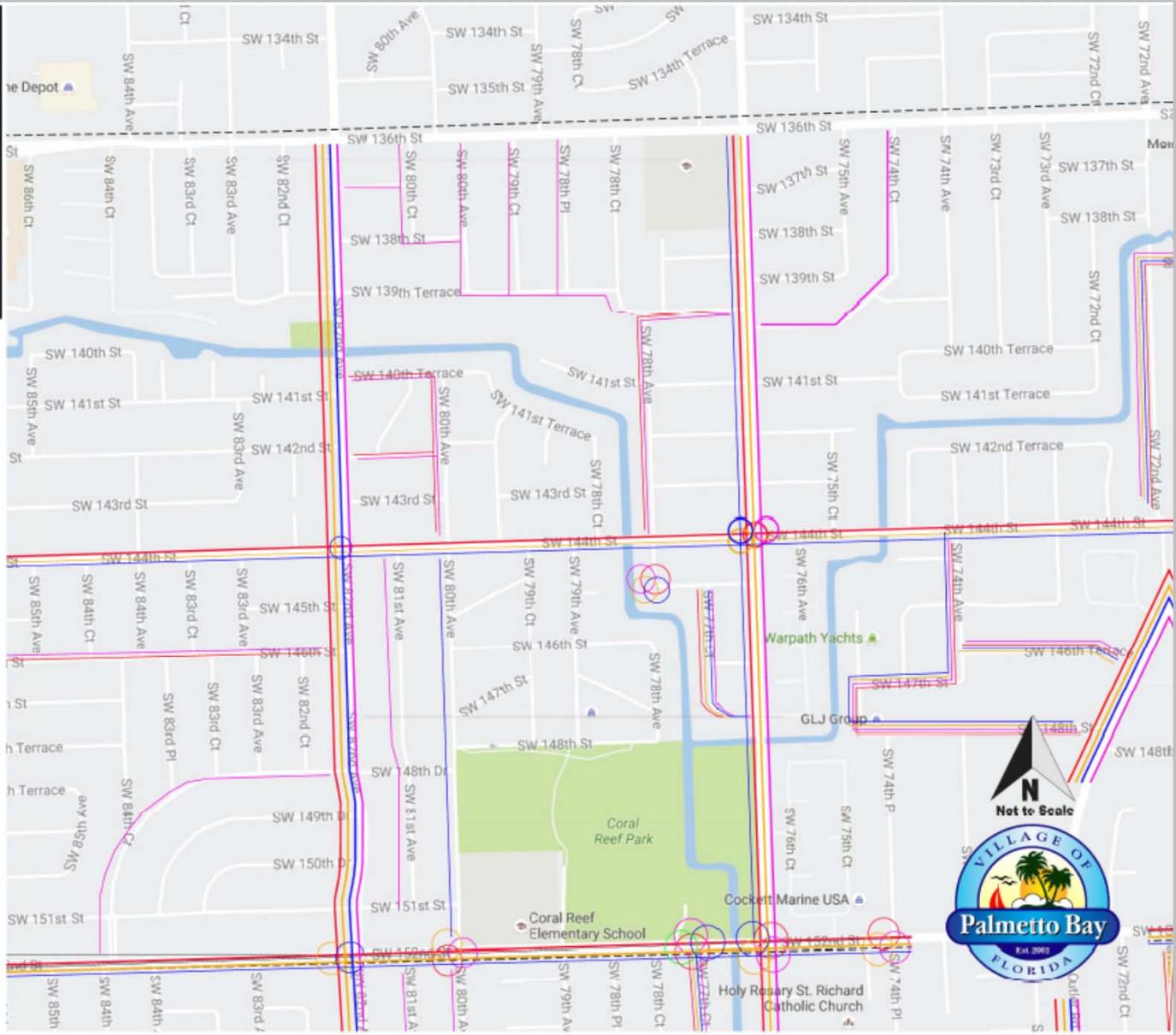


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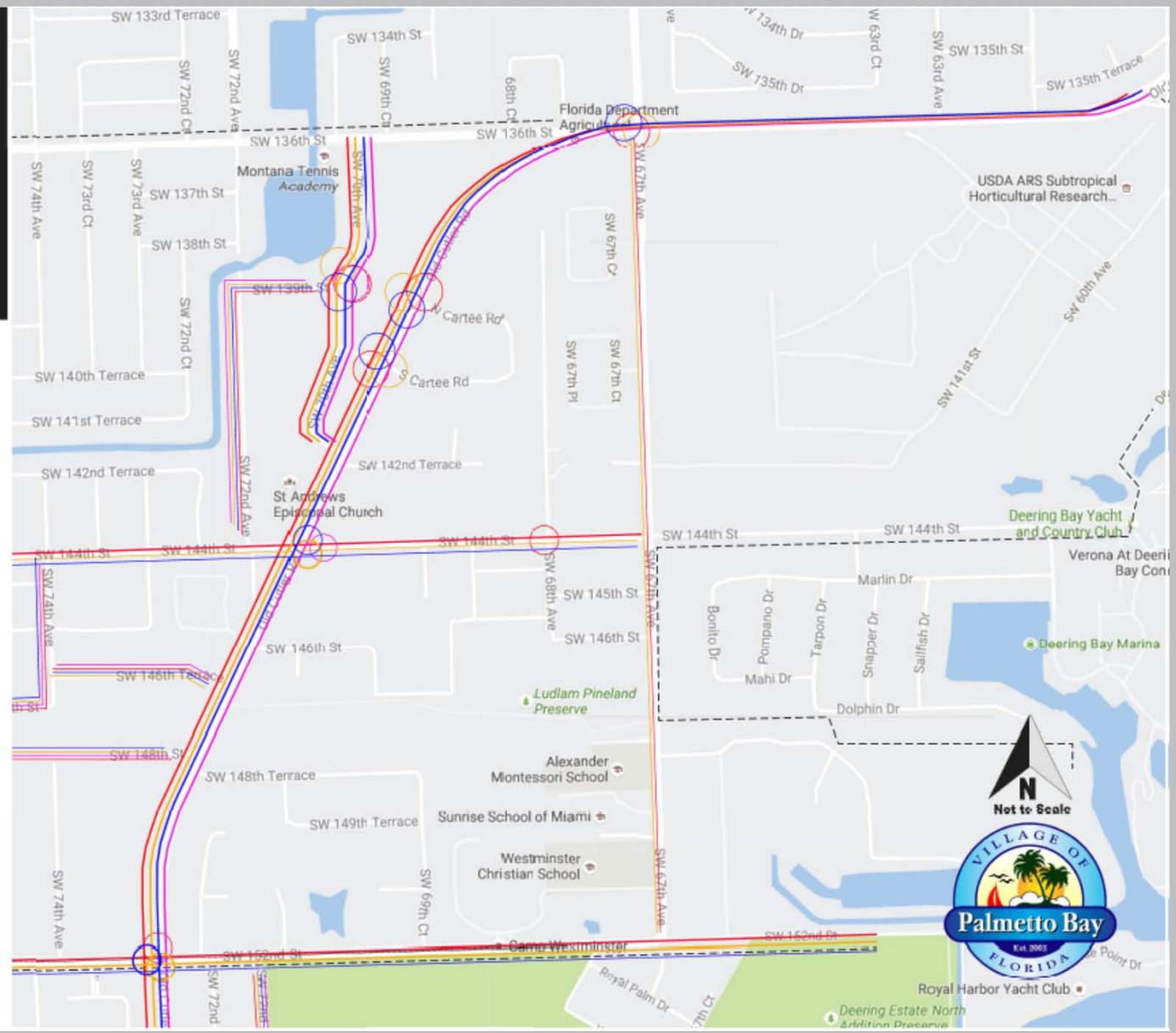


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TRAFFIC CALMING CRITERIA GUIDELINES



Criteria Adopted by Village of Palmetto Bay

Criteria 1: Speed and Volume

Points	85 th speed is... above posted speed limit
0.5	less than 4.6 mph
1.0	4.6 to 7.5 mph
1.5	7.6 to 10.5 mph
2.0	10.6 to 13.5 mph
2.5	13.6 to 16.5 mph
3.0	more than 16.5 mph

Points	volume 24 hr.
0.5	500 - 750 veh.
1.0	751 - 1,100 veh.
1.5	1,101 - 1,700 veh.
2.0	1,701 - 2300 veh.
2.5	More than 2,300 veh.

Criteria 2: Number or Accidents

Points	No. of accidents
0.5	1-2
1.0	3
1.5	4 or more

TRAFFIC CALMING CRITERIA GUIDELINES



Criteria Adopted by Village of Palmetto Bay

- i. Any street that ranks 2.5 or higher is eligible for traffic calming. The neighborhood street would require 2/3 voter approval from residents and is subject to final roadway design.
- ii. Any street that ranks 2.0 will be studied by the Village's Transportation Engineer to determine if other measures may be helpful in addressing concerns.

The following items may be considered, but not limited, as part of the study:

1. Location of school, pedestrian oriented facility (i.g. elderly housing) or community facility (I.g. Park) located on the subject street or within an established walking area.
2. Driveway density.
3. Presence/ absence of sidewalks.



TRAFFIC CALMING CRITERIA GUIDELINES



Criteria Adopted by Village of Palmetto Bay

- iii. Any street that scores less than a 2.0 and is determined to not be an appropriate location based on the study completed will not be eligible for re-evaluation for twelve (12) months after the speed/volume study is conducted. After two (2) years of testing, if the street does not qualify for traffic calming, the project is ineligible for re-testing for twenty-four (24) months.



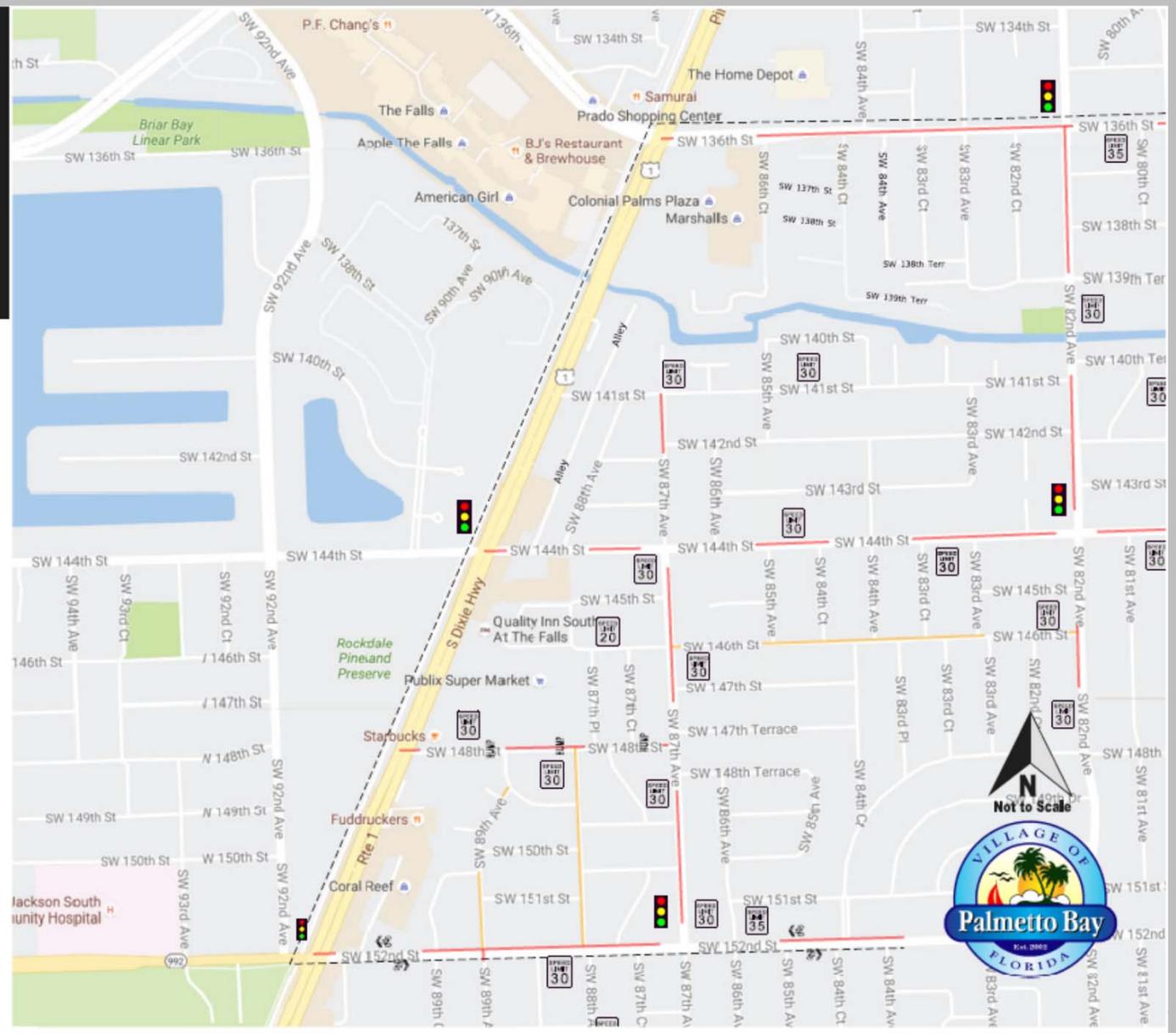
CRITICAL LOCATIONS

Compliance

LEGEND

- **Criteria Compliance**
 > 2.5 points
- **Criteria to Consider**
 2.0 to 2.5 points

- | | | | |
|---|---------------------------|---|------------------------|
|  | Traffic Signal |  | Speed Humps |
|  | Posted Speed Limit |  | Street Closures |
|  | Schools Zones |  | Roundabout |
|  | Bike Lanes |  | Chicanes |
|  | Green Sharrows |  | Traffic Circles |





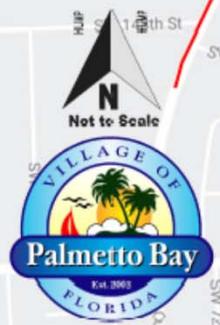
CRITICAL LOCATIONS

Compliance

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- Criteria Compliance** > 2.5 points
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- Traffic Signal
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TYPES OF TRAFFIC CALMING

Speed Control Measures:

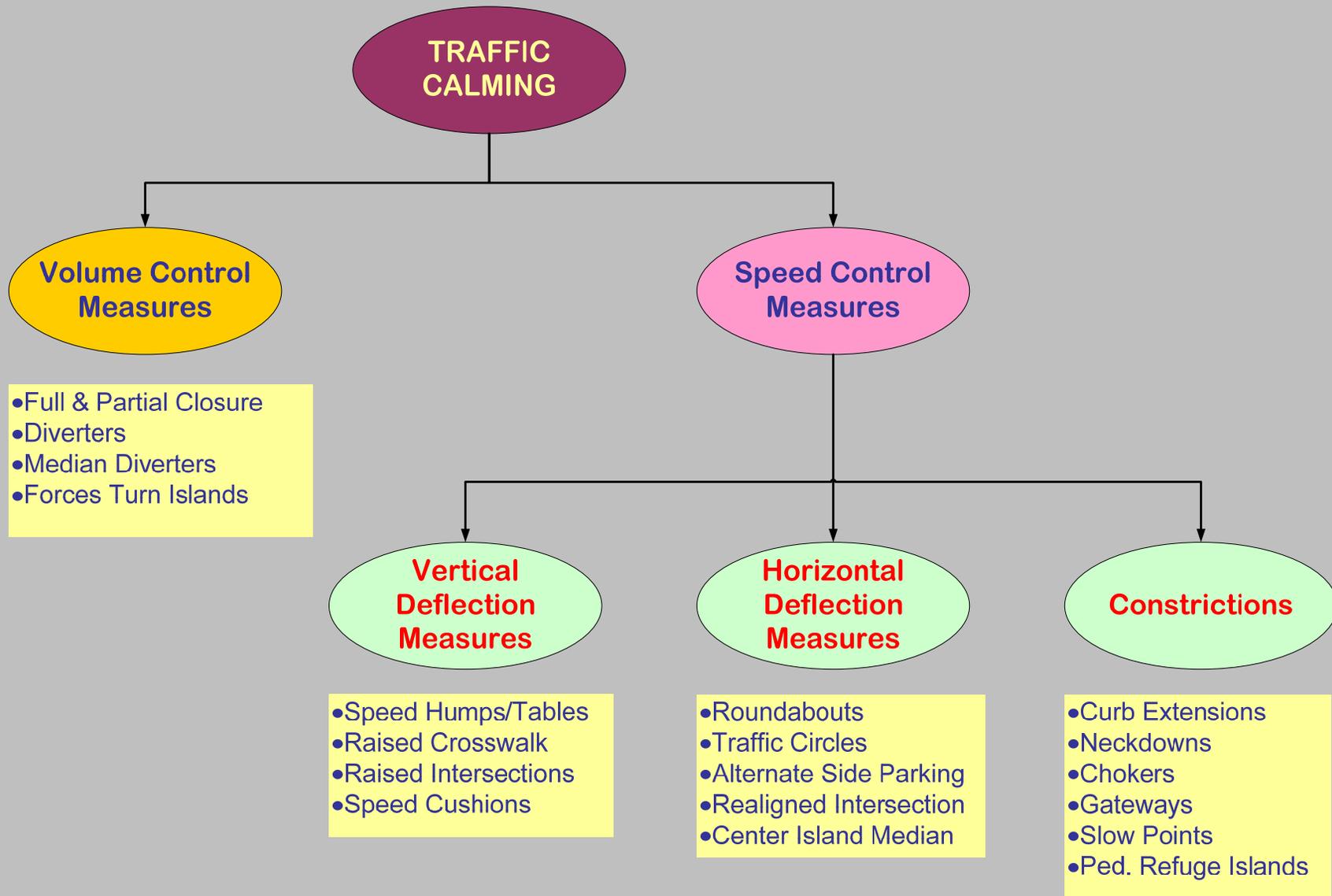
- Speed Humps and Speed Tables
- Traffic Circles and Roundabouts
- Raised intersections
- Horizontal Alignment Changes
- Landscaping
- Chicanes

Volume Control Measures:

- Street Closures
- Diagonal Diverters
- Semi-Diverters
- Turn Restrictions
- Right-in Right-out Diverter



TYPES OF TRAFFIC CALMING





NEXT STEPS

- ▶ Identify Performance Goals for Roadways in critical need
- ▶ Prepare preliminary recommendations to meet established performance goals
- ▶ Meet with County to obtain approval of recommended traffic calming devices
- ▶ Prioritization of projects / Funding Identification/Timeline for Implementation



QUESTIONS?

