

**RESOLUTION NO. 2025-**

**A RESOLUTION OF THE VILLAGE OF PINECREST,  
FLORIDA, AUTHORIZING THE VILLAGE MANAGER  
TO ENTER INTO AN AGREEMENT WITH SOLITE, LLC  
FOR THE SOLAR ROAD SIGN LIGHT PROJECT;  
PROVIDING FOR AN EFFECTIVE DATE.**

WHEREAS, pursuant to Section 2-288 of the Code of Ordinances, the Village Council may, by majority vote, waive the competitive bidding procedures if determined that it is practical to do so; and

WHEREAS, the Village Manager wishes to enter into an agreement with *Solite, LLC* for *Solar Road Sign Light project*;

BE IT RESOLVED BY THE VILLAGE COUNCIL OF PINECREST, FLORIDA, AS FOLLOWS:

Section 1. That the Village Council hereby authorizes the Village Manager to waive and enter into the attached agreement with *Solite, LLC* for the *Solar Road Sign Light* project (Phase 1), in amount not to exceed \$39,600.00.

Section 2. This resolution shall take effect immediately upon adoption.

PASSED AND ADOPTED this 16th day of September, 2025.

\_\_\_\_\_  
Joseph M. Corradino, Mayor

Attest:

\_\_\_\_\_  
Priscilla Torres, MMC  
Village Clerk

Approved as to Form and Legal Sufficiency:

\_\_\_\_\_  
Mitchell Bierman  
Village Attorney




## PINECREST

Office of the Village Manager

DATE: September 5, 2025

TO: The Honorable Mayor and Members of the Village Council

FROM: Yocelyn Galiano, ICMA-CM, Village Manager 

RE: Waiver of Competitive Bidding and Authorization of Contract for Solar Road Sign Project.

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Solite, LLC has developed the SI-210 Solar Road Sign Light, a patent-pending, commercial-grade solar LED device that attaches directly above stop signs and other roadway signs to enhance nighttime visibility. These lights operate from dusk to dawn, meet MUTCD requirements, and provide 50% more brightness than the previously tested SI-110 units.

The Village conducted a pilot test with eight (8) SI-110 units at the intersections of SW 124th Street & SW 72nd Avenue and SW 120th Street & SW 72nd Avenue. These intersections are among the busiest in Pinecrest, near Palmetto Elementary, Middle, and High Schools, and have a history of serious nighttime accidents. The pilot demonstrated enhanced visibility and roadway safety at night.

The Village is prepared to proceed with Phase One of the program, which involves the purchase and installation of ninety (90) SI-210 units at a cost of \$39,600.00. Phase One will cover approximately thirty (30) intersections and provides for installation, two (2) years of maintenance, and a four (4) year warranty for each unit. Refer to the enclosed proposal from Solite, LLC. Funding for this project is available in the FY25 Transportation Fund Budget.

I hereby respectfully recommend the Village Council approve the attached resolution authorizing the Village Manager to waive the competitive bidding and enter the agreement with Solite, LLC for this technology.



**A SOLUTION THAT IMPACTS DRIVER,  
BICYCLIST AND PEDESTRIAN SAFETY**

# Accidents happen...



**According to the Florida Highway Safety and Motor Vehicles approximately *60,000 car accidents* occur per year in Miami-Dade County with *29,000 injuries* and *300 fatalities*. Many of these accidents occur at night at unlit intersections.**

**Solite LLC aims to reduce these accidents with the Solar Road Sign Light (SI-210).**

Solite LLC has created a compact and commercial-grade solar light that attaches directly above stop signs and other pertinent road signs that need to be visible at night.

The new and improved **SI-210** Solar Road Sign Light will cast light on the reflective surface of the sign (50% more than the SI-110) illuminating it from dusk to dawn, giving Drivers, Bicyclists and Pedestrians a clear view of the sign throughout the night.

Bicyclists and Pedestrians without flashlights, bike lights or other lighting would be able to see the sign as well as Drivers whose headlights are not functioning properly, misaligned, or simply not on. Golf Carts and other motorized vehicles would benefit as well from this device.

## INCREASED VISIBILITY SAFETY FOR BICYCLISTS & PEDESTRIANS



**Pinecrest Stop Sign with SI-210 at midnight.**

# SI-210 Solar Road Sign Light



- This is a unique Patent Pending commercial-grade solar LED sign light.
- All components are self-contained within the unit.
- Meets MUTCD requirements (2A-01).
- 12" long x 4.5" wide x 2" high.
- Easy to install and maintain.
- Assembled in the U.S.A.
- Increased Brightness: 50% more than the SI-110 for added beam spread.



The SI-210 Solar Road Sign Light integrates seamlessly onto any traffic pole with a thin and barely visible bracket.

Whether attached to a standard U-Channel or round pole, the device is easy to install.



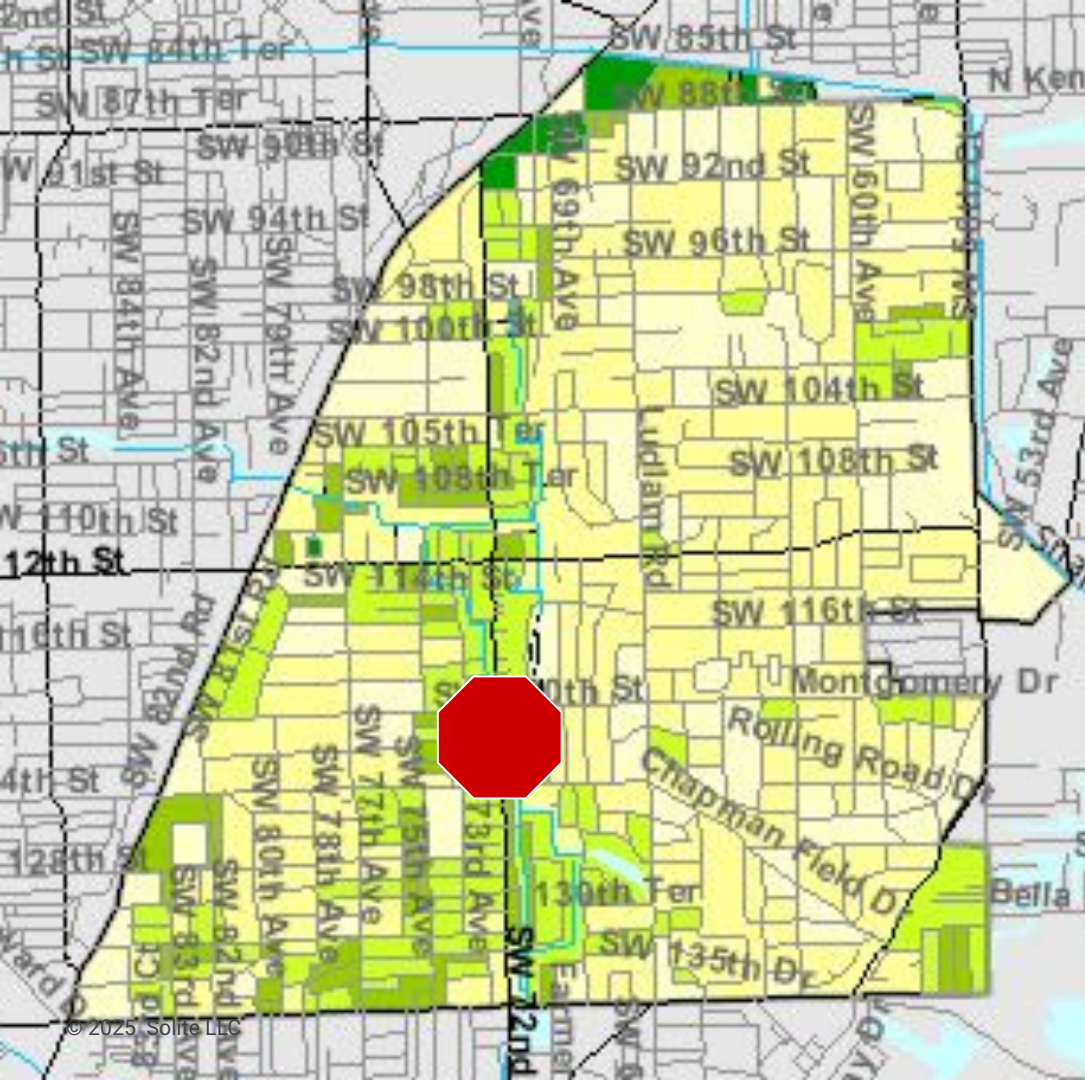


## **SI-210 PERFORMANCE:**

- **48 Osram SMD2835 LEDs**
- **Illumination Schedule: Dusk to Dawn**
- **Lumens: 150 lm (150lm/W)**
- **Battery: Pre-installed Lithium Ion**
- **Increased capacity from 5.2Ah to 10.4Ah**
- **Solar Panel: 5 Watt Polycrystalline**
- **Charging Time: Approx. 3 Hours**
- **Autonomy: 7 Nights**
- **Material: PC/Aluminum**







Solite LLC has been conducting a Pilot Test with eight (8) SI-110 units installed at the intersections of 124th Street & 72nd Avenue and 120th & 72nd in Pinecrest, FL.

These intersections are two of the busiest 4-way stops in the Village, and just around the corner from Palmetto Elementary, Palmetto Middle and Palmetto High School.

124th & 72nd is also the site of a late-night two-car accident that resulted in multiple fatalities.

## TESTING SITE:

124th Street and 72nd Avenue, the site of many night time accidents.

These pictures were taken from the same angle (top & bottom). The stop signs on the right side of each corner have the SI-110, while the left side does not.

*Note: the new SI-210 is 50% brighter than the SI-110.*



Approaching Westward on 124th



Approaching Southward on 72nd





## SAFETY STUDY

A study conducted for the Minnesota Local Road Research Board (2014) included a cross sectional analysis of locations with LED stop signs and locations without LEDs. They reported a 42 percent decrease in right-angle crashes after LEDs were installed. In addition, they reported that drivers were significantly more likely to stop fully after installation of the LEDs when opposing traffic was present.

Solite LLC looks forward to being part of the Village's ongoing study regarding traffic safety as well as the welfare of cyclist and pedestrians during the night time. Our lights will be an added measure of safety to the darkened intersections of Pinecrest.

# PHASES

The initial launch will consist of 90 units at a cost of \$39,600 that will cover approximately 30 intersections, and includes Installation, 2 years of Maintenance and a 4-year Warranty for each unit.

Complete coverage of the Village can be done in 3 phases.

	Phase One	Phase Two	Phase Three
UNITS	90	150	200
COST	\$39,600	\$65,250	\$86,000
INTERSECTIONS COVERED	30	55	80

## ALTERNATIVES

Current alternatives of the Solar Road Sign Light are Flashing LED Road Signs and the Multi-Post Flashing Lights which are both carnival-esqe looking and expensive. Besides being nearly ten times the cost of the Solar Road Sign Light, these flashing signs are also a nuisance to nearby homes which adds exponentially to light pollution in the area.





**Contact: Todd Kendall**  
**310.663.4466**

**Greg Goldhaber**  
**305.742.7456**

**INFO@SOLITELLC.COM**