

**RESOLUTION NO. 2018-020**

**A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF COCONUT CREEK, FLORIDA, AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO EXECUTE A CHANGE ORDER TO THE COMPREHENSIVE STREET IMPROVEMENTS PHASE I CONTRACT WITH STANFORD CONSTRUCTION CO. IN THE AMOUNT OF \$249,782.50 FOR THE PROCUREMENT AND INSTALLATION OF STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFIED SOLAR POWERED LED BIKE LANE DELINEATORS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the City of Coconut Creek is presently engaged in an agreement with Stanford Construction Co., for the construction phase of the Comprehensive Street Improvements – Phase I (CSI1) project, which proposes to introduce approximately a one (1) mile bike lane section, eastbound and westbound Winston Park Boulevard, between Lyons Road and State Road 7 (SR-7/US-441); and

**WHEREAS**, the State of Florida Department of Transportation (FDOT) desires to test for a period of twenty-four (24) months a newly developed roadway LED solar powered bike lane delineator specified in the attached Exhibit “A” to be installed flush with the roadway surface at a separation of six (6) feet; and

**WHEREAS**, the FDOT has presented a Joint Participation Agreement (JPA) for the purpose of compensating the City a not-to-exceed amount of \$250,000, for the procurement and installation of the LED solar powered bike lane delineators on Winston Park Blvd, eastbound and westbound, as specified by the JPA; and

**WHEREAS**, the City’s CSI1 construction agreement does not have provisions that include bike lane delineators in its scope, and Stanford Construction Co., presented to the City a change order proposal in the amount of \$249,782.50 to add the procurement and installation of the JPA specified delineators; and

**WHEREAS**, the specified LED solar powered delineator pilot project presents an aesthetic and safety improvement to Winston Park Boulevard and to bicycle riders, and City staff is recommending that the City Commission approve the attached Change Order and authorize its execution by the City Manager or designee.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF COCONUT CREEK, FLORIDA:**

**Section 1:** That the foregoing “WHEREAS” clauses are hereby ratified and confirmed as being true and correct and are hereby made a specific part of this Resolution. All Exhibits attached hereto are incorporated herein and made a specific part of this Resolution.

**Section 2:** That the City Commission has reviewed and hereby approves the attached Change Order to the Comprehensive Street Improvement - Phase I contract between the City of Coconut Creek and Stanford Construction Co., in the amount of \$249,782.50 for the procurement and installation of LED solar powered bike lane delineators as provided in the attached Exhibit “A”

**Section 3:** That the City Manager, or designee, is hereby authorized to execute the attached Change Order No. 1 between the City of Coconut Creek and Stanford Construction Co.,


**Section 4:** That if any clause, section, other part or application of this Resolution is held by any court of competent jurisdiction to be unconstitutional or invalid, in part or in application, it shall not affect the validity of the remaining portion or applications of this Resolution.

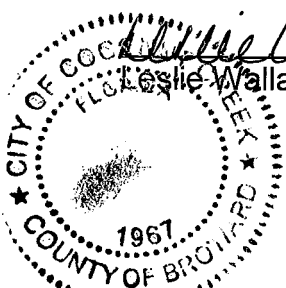
**Section 5:** That this Resolution shall be in full force and effect immediately upon its adoption.

**Adopted this 11<sup>th</sup> day of January, 2018.**

  
Rebecca A. Tooley, Mayor

Attest:

  
Leslie Wallace May, City Clerk



Tooley Aye  
Rydell Aye  
Sarbone Aye  
Belvedere Aye  
Welch Aye

### EXHIBIT A

	<b>Housing Dimension:</b> 4.17inch (Length) x 4.10 inch (Width) x 2.00 inch (Height)
	<b>Housing material:</b> Aluminum Diecast
	<b>Housing tensile strength:</b> 25 tons
	<b>Lens thickness:</b> 0.31 inch
	<b>Lens Material:</b> High performance polyamide resin UV treated
<b>Unit Weight:</b> 2 Pounds	

Internal Components:	
Capacitor:	1.3F or optional 1.2V 1600mAh battery
Full Cycle Charge Time:	6 hours
Operations time per charge:	36 hours
Super capacitors life cycle:	120,000 charges/discharges
Solar panel dimension:	2.05 x 1.97 inches
Solar panel Power Output:	2.5V 120mA
Solar panel material:	Mono-crystalline silicon
LED Array: LED:	3pcs one directional solid glow for night time operation
LED Brightness:	15 Lumen
LED Color:	White (4700K)
LED Voltage Requirement:	3V 12mA
LED Power:	36mW
LED size:	0.39 inches
Waterproof Rating:	IP68
Temperature Rating:	42F to 160F

### Phase 2: Installation

Install the LED solar delineators per the approved, signed and sealed plans and specifications.

