

PLEASE APPROVE FOR FURTHER ACTION

DATE 12/18/14

SIGNATURE [Signature]

SIGNATURE [Signature]

RESOLUTION NO. 2014- 86

150311

1/24/14

**A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF COCONUT CREEK, FLORIDA, AUTHORIZING THE CITY MANAGER OR DESIGNEE TO EXECUTE AN AGREEMENT WITH ATKINS NORTH AMERICA, INC. FOR PROFESSIONAL SERVICES TO PREPARE THE DESIGN PLANS AND SPECIFICATIONS FOR THE PROPOSED TRAFFIC SIGNAL ON LYONS ROAD AT WINSTON PARK PLAZA AND ST. ANDREWS ENTRANCES; PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, a proposed traffic signal by the City on Lyons Road at Winston Park Plaza and St. Andrews entrances has met the Manual on Uniform Traffic Control Devices (MUTCD) criteria warrant for installation and has been approved by Broward County Traffic Engineering Division (BCTED); and

**WHEREAS**, the scope of work will provide for a survey, preparation of plans and specifications, structural and geotechnical analyses; and

**WHEREAS**, City staff recommends that Atkins North America, Inc., a consulting company on the City's rotating list selected through Consultants Competitive Negotiation Act (CCNA) RFQ # 06-22-11-10 (which has been extended by letter until December 31, 2014), be awarded the contract for the design of the Traffic Signal at Winston Park Plaza to be completed by September 30, 2015 at an estimated cost not to exceed \$48,104.00; and

**WHEREAS**, construction of mast arm signal will be contingent on fund availability and cooperation of involved private parties.


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

**Section 1:** That the City Commission has reviewed and approves the attached Agreement between the City and Atkins North America, Inc. for the Traffic Signal at Winston Park Plaza (Exhibit "A").


**Section 2:** That the City Manager or her designee is authorized to execute said Agreement by and between the City of Coconut Creek and Atkins North America, Inc.

**Section 3:** That this Resolution shall be in full force and effect immediately upon its passage and adoption.

Adopted this 13th day of November, 2014.

  
\_\_\_\_\_  
Lisa K. Aronson, Mayor

Attest:

  
\_\_\_\_\_  
Leslie Wallace May, MMC  
City Clerk

Aronson	<u>Aye</u>
Tooley	<u>Aye</u>
Sarbone	<u>Absent</u>
Belvedere	<u>Aye</u>
Welch	<u>Aye</u>

**Scope of Work****Publix/St. Andrews at Lyons Road****Traffic Signal Design****Task 1: Survey**

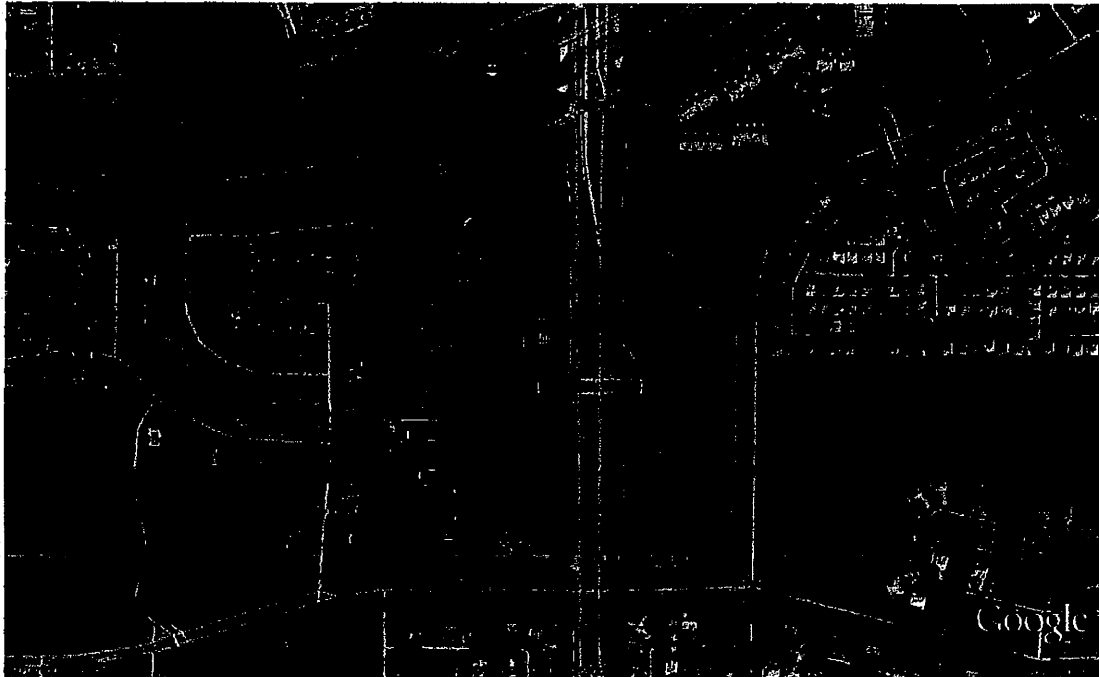
This is a "Full Design Survey." The Scope of Services will roughly follow the Florida Department of Transportation's Generic Scope (Issue RRR) as reproduced here but be done with less detail based on the needs of the project. The scope of services shall incorporate all planning, design and miscellaneous services for the preparation of plans, specifications and cost estimate for the traffic signal design and shall incorporate all design and construction support elements included but not limited to the Approval letter of August 8, 2014 from Broward County.

**FLORIDA DEPARTMENT OF TRANSPORTATION  
GENERIC SCOPE OF SERVICES RRR**

- 27.01 PNC-Recover/Establish PN points (Should be placed away from block corners and out of construction limits, if possible.)
- 27.02 Control levels-Verify/Establish elevations on PNC points (Use NAVD88 Datum unless otherwise instructed. Horizontal control will be referenced to NAD83/2007 Datum.)
- 27.03 Baseline-Establish "Historic Baseline(s)" using all pertinent information. Set Begin and End survey points and at any change in direction, *i.e.*, PC, PT and angle breaks. Verify Mainline and side street Rights of Way depicting stationing and direction of side street intersections. Depict all Right of Way lines on Right of Way file. Depict all work on private property.
- 27.06 Topography-Locate all improvements within the Rights of Way and on private property as needed along with driveways, curb cuts, ADA ramps, sidewalks servicing adjacent properties, pavement markings, *etc.* Topography to extend along private streets beyond pavement returns within the limits as shown on the exhibit.
- 27.07 DTM-Perform in areas of Drainage Surveys noted in Task 27.12.
- 27.08 Cross-Sections (Cross Slope Verification) to be taken at mid-block or no greater than 500 foot intervals along Lyons Road and at 50 foot intervals along the private driveways where median changes are anticipated. (Show all breaks). (This will serve as QC for scanning data.)
- 27.12 Drainage Survey-Obtain drainage details of all structures within the limits of the project on public and private property. (Rim and invert elevations, pipe sizes, materials and directions).
- 27.28 Miscellaneous Survey-Provide the following Miscellaneous Survey information:

- Vertical clearance over pavement for all overhead obstructions to include wires, signaling mast arms, bridges and signs.
- Signaling mast arm data, to include length, measured base diameter, location of all signs and signals supported on the mast arm and vertical clearance under all signs or signals.
- Location of signs and signals supported on wires over pavement and clearance under all signs or signal heads.
- Locate signal control boxes north and south. On the north, the first signal control box at the first intersection just south of SR869 and on the south, the first signal control box at the intersection of Lyons Road and Winston Park Boulevard.

**Survey Limits**



Subsurface utilities within the project area will be mapped and shown on the deliverables for reference only. In addition, we will research and map the right of way via examination of the on-line records of Broward County, but this examination should not be construed as a substitute for a title search. Any legal descriptions needed in order to obtain any temporary or permanent easements for the installation and maintenance of the traffic signal is not included in this scope of work or estimate; this will be addressed separately by the City.

The limits of the base mapping will extend 500 feet on either side of the signal location along Lyons Road and 300 feet along the development driveways from the signal location.

The signal design team will verify and supplement the survey data by field measurements, as necessary and set up the base mapping files in order to conduct the signal design.

**Task 1: Survey Fee      \$15,574 (Not to Exceed)**

**Task 2: Traffic Signal Design**

The signal design plans will be prepared in accordance with the Broward County standards, the Florida Department of Transportation (FDOT) standards and the Manual on Uniform Traffic Control Devices (MUTCD). The traffic signal design will incorporate a mast arm pole design layout in accordance with FDOT mast arm standards and the Broward County preferred signal configuration. The design plans will include a tabulation of quantities sheet, a general notes sheet, signalization and interconnect plan sheets, utility location plan sheet, maintenance of traffic plan sheet, pavement markings and mast arm tabulation, and other detail sheets, as necessary. The design packet will also include a specifications package and Engineer's cost estimate relating to this project. Interconnection of the proposed signal to adjacent traffic signals at SR 869 and Winston Park Blvd will be added. The design will feature LED signal heads, video detection, emergency pre-emption and overhead street name signs in accordance with FDOT approved materials. In addition, ADA pedestrian accommodations will be reviewed and included where necessary. The plans will be prepared in 11 inch x 17 inch format and will be submitted to the client and the County at the 90% and 100% phases for review and comment. Any fees required by Broward County for the review of the project will be paid to the County directly by the City. Review comments received by the client and Broward County will be incorporated into the plans and written responses to the comments will be provided. A comment resolution meeting will be conducted, if necessary. Final signed and sealed plans as approved by Broward County Traffic Engineering will then be submitted to the client and the County. The traffic signal design will include a full structural analysis per current wind load specifications for the traffic signal poles.

The utility companies will be contacted to determine what facilities are located in the area. Information will be requested from the utilities regarding the location and type of facilities that may exist. Utility information obtained will be shown in the plans and the plans disseminated to the various utilities with facilities in the area for review. On site meetings will be held with the utility companies to determine the extent of the effects the proposed work will have on their facilities, as needed. Utility Work Schedules will need to be obtained from any utility having to perform relocations to their facilities to accommodate the proposed work to be performed.

**Task 2: Traffic Signal Design Fee**

<b>Signal Design Fee</b>	<b>\$19,030 (Not to Exceed)</b>
<b>Structural Design Fee</b>	<b>\$3,370 (Not to Exceed)</b>

**Task 3: Subsurface Utility Excavation (SUE) and Geotechnical Borings**

Subsurface utility and geotechnical information will be collected as part of this project. The signal design team will determine the locations of the mast arm signal poles and coordinate with the geotechnical and SUE partners to ensure field investigations occur in the appropriate locations. A utility location plan sheet will be prepared to document the utility type, location, depth and size uncovered in this investigation. Utility relocations, to the greatest extent possible, will be avoided on the project.

The signal design team will work with the Geotechnical project partner in order to obtain borings at two representative locations to represent the soil conditions for the four mast arm pole locations. A

geotechnical report documenting the soil conditions will be prepared and provided. The results of the borings will be incorporated into the design plans and utilized for the foundation designs.

The items performed under this task by the signal design team include coordinating with the subsurface utility and geotechnical project partners in order to obtain the information needed for the signal design. The fees for the subsurface utility and geotechnical project partners are included in this scope of services and the fee schedule below.

**Task 3: Subsurface Utility Excavation (SUE) and Geotechnical Borings Fee**

SUE Fee	\$3,685 (Not to Exceed)
Geotechnical Fee	\$4,200 (Not to Exceed)

**Task 4: Post Design Services**

Support from the Signal Design Team will be available during construction of the signal. These services may include the following:

- Assistance during bidding (i.e. answering contractor questions).
- Shop drawing review.
- Requests for additional information (relative to the intent of the plans, quantities and specifications).
- Minor plans adjustments resulting from changes in field conditions and/or questions from the signal contractor.

Time has been included in the cost estimate for performing a reasonable amount of post design services.

**Task 4: Post Design Services Fee            \$1,745 (Not to Exceed)**

**Task 5: Additional Services**

Services requested beyond these described in Tasks 1 through 4 will be evaluated and a separate cost estimate will be provided to perform the services. The services will only be performed after authorization of the additional costs by the client.

**Fee Schedule**

The cost for performing the work identified in the scope above is show below.

**Mast Arm Signal Design**

Task 1: Survey	\$15,574
Task 2: Traffic Signal Design	
Signal Design	\$19,030
Structural Design	\$3,370
Task 3: SUE and Geotech	
SUE	\$3,685
Geotech	\$4,200
Task 4: Post Design Services	\$1,745
Miscellaneous Expenses	\$500
<b>Total</b>	<b>\$48,104 (Not to Exceed)</b>

The above price shall be considered the total cost for the planning, design and miscellaneous services for the preparation and delivery to the City of Coconut Creek approved plans, specifications and cost estimate by Broward County Traffic Engineering Department.

The scope of services shall be completed by no later than September 30, 2015.

Attachment: August 8, 2014 approval letter from Broward County Engineering.

**ATKINS**

ATKINS and the City of Coconut Creek having read and agreed to all of the terms of this Agreement, intending to be fully bound.

ATKINS North America  
2001 NW 107<sup>th</sup> Avenue  
Miami, Florida 33172

BY: \_\_\_\_\_

(ATKINS)

DATE: \_\_\_\_\_

10/30/14

BY: \_\_\_\_\_

(ATKINS)

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

(ATKINS)

DATE: \_\_\_\_\_

CITY OF COCONUT CREEK  
4800 West Copans Road  
Coconut Creek, Florida 33063

BY: \_\_\_\_\_

Mary C. Blasi, City Manager

DATE: \_\_\_\_\_

11/19/14

ATTESTED

BY: \_\_\_\_\_

Leslie Wallace May, City Clerk

DATE: \_\_\_\_\_

11/19/14

APPROVED AS TO FORM

BY: \_\_\_\_\_

Terrill Pyburn, City Attorney

DATE: \_\_\_\_\_

11/19/14