

EXHIBIT A

SCOPE OF SERVICES for Chen Moore and Associates, Inc

Proposal for Oasis Solar (SW 3rd Avenue) Lighting Project, NW Section Solar Lighting Project, City Parks, Citywide Locations, Griffin Marine Park, and EECBG Grant Solar Lighting Implementation Project

November 2011

BACKGROUND

Chen Moore and Associates was selected by the City of Dania Beach to provide professional engineering services for its Neighborhood Improvement Program. The general scope of services includes the following:

- Street Lighting Layout and Design;
- Sidewalk Layout and Design;
- Traffic Calming Study and Design;
- Bidding Services;
- Construction Observation; and
- Public Awareness.

The City requested a proposal from Chen Moore and Associates to complete several solar lighting projects. Chen Moore and Associates (Engineer) is pleased to submit to the City of Dania Beach (Owner) this proposal to perform Engineering Services for preparing installation plans and specifications for solar powered lighting; and providing bidding and construction administration services for the projects described below.

BASIS OF SCOPE

1. This scope does not cover geotechnical investigation.
2. This scope does not include permitting or permitting fees.
3. Neighborhood meetings are not part of this scope.

SCOPE OF SERVICES

Task 1. Lighting Plans and Specifications

ENGINEER shall prepare lighting plans and specifications for solar powered street lights. The construction documents will include location, type, and height of proposed lighting. The services involve site visits by ENGINEER to assure location with minimal obstruction and conflicts. The scope does not include preparing a photometric plan. The ENGINEER will

refer to the CITY's previously installed solar lighting poles for product specifications and installation requirements. The identified projects include:

- **Task 1A: Oasis Solar (SW 3rd Avenue) Lighting Project (~22 lights)**
- **Task 1B: NW Section Solar Lighting Project (~8 lights)**
- **Task 1C: City Parks:**
 - **CW Thomas Park (1 light)**
 - **Meli Park (1 light) & Dog Park at Meli Park (6 lights)**
 - **Frost Park (2 lights)**
 - **Griffin Marine Park (5 lights)**
- **Task 1D: Citywide Locations:**
 - **SW 34th Terrace between Griffin Road and Cul-de-sac (1 light)**
 - **Alleyway south of East Dania Beach Blvd. between SE 2nd Avenue and SE 3rd Avenue (1 light)**
 - **SW 7th Street between SW 4th Avenue and SW 2nd Avenue (1 light)**
 - **SW 26th Terrace between Griffin Road and SW 45th Street (1 light)**
 - **Alley behind Lighthouse Community Church (SW 7th Street) (1 light)**
 - **SW 52nd Court between SW 26th Avenue and SW 27th Avenue (1 light)**
 - **Stirling Lake (N. Park Road, SW 55th Street and SW 28th Terrace) (8 lights)**
 - **SW 30th Way between SW 45th Street and Cul-de-sac (1 light)**
 - **SW 34th Lane between SW 44th Street and Cul-de-sac (1 light)**
 - **SW Area: SW 12th Street and SW 15th Street (1 light)**
 - **NW 8th Street, west of NW 6th Avenue dead end (1 light)**
 - **SW 45th Street between Ravenswood and SW 25th Avenue (3 lights)**
- **Task 1E: EECBG Grant Implementation (33 lights)**

Note: The scope for the Griffin Marine Park include: attend public neighborhood meeting to assess the resident's comments. Attend commission meeting to present the proposed improvements. Attend BBIP Board meeting, if required.

Task 2. Bidding Services

ENGINEER shall provide bidding services as follows: preparation of post-approval bid documents, assistance in contractor bidding and selection, pre-construction conference attendance.

Task 3. Construction Administration

ENGINEER shall provide construction services as follows: general observation of the work, review of contractor pay requests, and statement of work completion. It is estimated that construction will last approximately 14 weeks.

Task 4. Broward County Reimbursement Allowance

ENGINEER shall coordinate with Broward County and assist the City with the preparation of the documents or exhibits needed to secure reimbursement of CDBG Funds.

Task 5. Prepare Design and Specifications for Decorative Solar Powered Lights

ENGINEER shall develop design and construction specifications for a decorative style Solar Powered Light to be use in lieu of the typical concrete pole Solar Powered System.

Task 6. Boundary Survey Allowance

At the written request of the City, CMA will acquire the services of a professional land surveyor to prepare a boundary survey meeting Minimum Technical Standards for Surveying and Mapping within the State of Florida.

Boundary Survey:

- Recover property corner monuments.
- Monuments that are missing will be replaced with new monuments.
- New property corner monuments will consist of a 5/8" iron rod with an identifying surveyor's cap.
- Locate above ground improvements. Locations will extend to the north up to the docks and ramps on the South New River Canal, to the west up to ROW of S.W. 30th Avenue, to the south up to the ROW of S.W. 45th Street and to the east up to 10' east of the property line.
- The boundaries of the property to be surveyed will be based on the plats of record and the legal description recorded in Official Records Book 28188, Page 25 of the Public Records of Broward County.
- The boundary survey will reflect the geometry of the property lines, corner monuments, right-of-way lines and centerlines.
- Easements will be based on plats of record unless a title search is supplied by the client, in which case the easements will be based on the title search.
- Trees, hedges or shrubbery will not be located.
- Prepare a survey drawing of the parcel utilizing AutoCAD.
- C&A will provide you with five (5) hard copies of the survey.

Task 7. Reimbursables

ENGINEER shall provide services, as necessary, to assist the CITY in the preparing plans, coordination or other requested tasks to facilitate successful completion of the Project. Costs incurred in providing these services shall be reimbursed.

DELIVERABLES

Deliverables are described in the Scope of Services.

FEE AND SCHEDULE

From the Notice to Proceed and receipt of all documents requested from the CITY, Chen Moore and Associates will complete Task 1 within 30 Calendar Days.

<u>FEE SUMMARY</u>		
TASK NUMBER	TASK	FEE
Task 1	Lighting Plans and Specifications	
Task 1A	<i>Oasis Solar (SW 3rd Avenue) Lighting Project</i>	\$3,550
Task 1B	<i>NW Section Solar Lighting Project</i>	\$5,760
Task 1C	<i>City Parks</i>	\$9,020
Task 1D	<i>Citywide Locations</i>	\$13,310
Task 1E	<i>EECBG Grant Implementation</i>	\$6,160
Task 2	Bidding Services	\$6,560
Task 3	Construction Administration	
Task 3A	<i>Oasis Solar (SW 3rd Avenue) Lighting Project</i>	\$5,520
Task 3B	<i>NW Section Solar Lighting Project</i>	\$3,440
Task 3C	<i>City Parks</i>	\$6,200
Task 3D	<i>Citywide Locations</i>	\$7,360
Task 3E	<i>EECBG Grant Implementation</i>	\$3,390
Task 4	Broward County Reimbursement Services (Allowance)	\$4,320
Task 5	Prepare Design and Specifications for Decorative Solar Powered Lights	\$6,350
Task 6	Griffin Marine Park Survey Allowance	\$5,750
Task 7	Reimbursables	\$550
<u>TOTAL FEE</u>		\$87,240

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