

**WORK ORDER No. 11 FOR PROFESSIONAL SERVICES**

TO: King Engineering Associates, Inc.  
8700 W. Flagler Street, Suite 340  
Miami, FL 33174  
(305) 392-9979

DATE: December 15, 2017

The City of Doral authorizes the firm of King Engineering Associates, Inc. to proceed with preparation of the design for typical roadway lighting sections as of the date of this Work Order. The work should be performed in accordance with the contract provisions contained in the Continuing Professional Services Final Agreement between King Engineering Associates, Inc. and the City of Doral dated February 9, 2015, and the attached Proposal submitted by your firm for the above referenced project.

**SCOPE OF SERVICES AND SCHEDULE:**

The scope of the project will be as described in the attached proposal from King Engineering Associates, Inc. dated December 11, 2017, to provide professional engineering services, which include photometrics, analysis, and typical sections design. The schedule requires the work to be performed 10 weeks from the notice to proceed. The performance of services associated with this Work Order will be executed on a time and material basis with a not to exceed amount of \$3,971.00.

You are required by the Continuing Service Agreement to begin work subsequent to the execution of this Work Order. If you fail to begin work subsequent to the execution of this Work Order, the City of Doral will be entitled to disqualify the Proposal, and revoke the award.

This Work Order incorporates the terms and conditions set forth in the Continuing Services Agreement dated February 9, 2015 between the parties as though fully set forth herein. In the event that any terms or conditions of this Work Order conflict with the Continuing Services Agreement, the provisions of this specific Work Order shall prevail and apply.

Work Order is not binding until the City of Doral agrees and approves this Work Order.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and date first above written, in three (3) counterparts, each of which shall, without proof or accounting for the other counterparts, be deemed an original Contract.

CONSULTANT: King Engineering Associates, Inc.

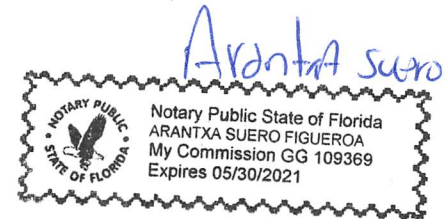
BY: [Signature]  
NAME: Agustin Maristany  
TITLE: Vice President

STATE OF FLORIDA  
Notary Public  
this 13 day of December, 2017  
by Agustin Maristany  
WITNESSES: \_\_\_\_\_ SEAL: \_\_\_\_\_  
1. Arantxa Suero  
2. Arantxa Suero  
Personally Known x or Produced Identification  
Type of Identification Produced Driver license

OWNER: City of Doral  
BY: [Signature]  
NAME: Edward Rojas  
TITLE: City Manager

AUTHENTICATION:  
BY: [Signature]  
NAME: Connie Diaz  
TITLE: City Clerk

APPROVED AS TO FORM:  
BY: [Signature]  
NAME: WEISS, SEROTA, HELFMAN, COLE & BIERMAN, PL  
TITLE: City Attorney



**DESIGN FOR TYPICAL ROADWAY LIGHTING SECTIONS  
FOR  
CITY OF DORAL**

**SCOPE OF SERVICES**

**DECEMBER 11, 2017**

King Engineering Associates, Inc. (King) is pleased to submit this proposal to provide professional engineering services to the City of Doral (City) for the design of a typical roadway lighting plan.

The deliverable drawing will contain two (2) typical cross sections;

- Two-lane road (one-way each direction), with no curb/sidewalk, and lighting on a single side w/ typical lighting spacing
- Two-lane road (one-way each direction), with curb/5' swale/5' sidewalk, and lighting on a single side w/ typical lighting spacing

Typical spacing of the lights will be based on photometric drawings of the actual lights to be installed and minimum candle requirements for roads in Doral. City to provide photometric information and roadway candle requirements. King will superimpose the photometric information onto a typical roadway plan view to determine lighting spacing.

The scope of work has been divided into the several tasks, as shown below:

<b>Task</b>	<b>Description</b>
1	Project Coordination and Progress Meetings
2	Draft Submittal (75%)
3	Final Submittal (100% S&S)

**Scope of Work**

**1. Project Coordination and Progress Meetings**

King will provide overall project management and coordination throughout the duration of the project (10 weeks), as follows:

- Monitor the project schedule and budget on a regular basis
- Coordinate activities of the project team.
- Provide quality assurance and quality control.
- Monthly Invoices

**2. Draft Submittal (75%)**

King will develop the two (2) typical cross section mentioned above for the City's Review and

**DESIGN FOR TYPICAL ROADWAY LIGHTING SECTIONS  
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comments.

- Drawings Sheets (4):
  - Cover Page
  - Roadway Lighting – Typical Cross Sections and Notes

**3. Final Submittal (100% S&S)**

King will revise the drawings based on the City’s review comments from the Draft Submittal (75%), sign and seal the finalized set, and submit for Final Submittal. No additional City reviews.

**Proposal assumptions:**

- One (1) Draft Submittal, with one (1) City review, and one (1) final submittal.
- This is a typical section to be utilized by the City only when the actual roadway sections match the typical cross section shown with applicable notes.
- No survey
- No geotechnical
- No Plan Views
- FDOT and/or Miami-Dade County standard details will be referenced for components.
- No technical specifications needed.
- No Erosion and Sediment Control Plan
- No SWPPP
- No maintenance of traffic sheets; all MOT is provided by contractor
- No underground utility locates needed, no utility coordination, and no utilities called out on plans
- No permitting assistance
- All bidding will be provided by the City with no involvement from King
- No conformed contract documents after bidding process
- No construction services
- No provisions have been made in this scope of work for addressing contaminated soils or groundwater in the work area.
- No construction schedules
- No construction cost estimates

**Compensation**

Total compensation is not to exceed \$3,971.00. The work will be performed on a time and material basis based on the attached fee spreadsheet (Attachment A). Invoices will be submitted monthly based on hours worked and expenses incurred.

**Deliverable Schedule**

The following schedule of deliverables shows the weeks from notice to proceed (NTP) when deliverables will be submitted.

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<b>Schedule of Deliverables</b>	
<b>Deliverable/Event</b>	<b>Submittal Dates (Weeks from NTP)</b>
City Provides Photometric Data and Candle Requirements	1
Draft Submittal (75%)	4
City 75% Comments /Design Review Meeting	6
100% Permit Ready Submittal	10

DESIGN FOR TYPICAL ROADWAY LIGHTING SECTIONS  
FOR  
CITY OF DORAL

ATTACHMENT A  
FEE ESTIMATE

**ATTACHMENT A  
CITY OF DORAL  
DESIGN FOR TYPICAL ROADWAY LIGHTING SECTIONS  
FEE PROPOSAL**

Firm Name: King Engineering Assoc., Inc.  
Prepared By: R A Maristany  
Date: 12/11/17

<b>TYPICAL ROADWAY LIGHTING SECTIONS</b>													
ACTIVITY	Principal Engineer \$190.75		Sr Project Manager \$165.00		Project Engineer \$115.00		CADD Technician \$82.00		Clerical \$59.85		Manhours By Activity	Subconsultant / Expenses	Total Activity Fee
	Man- Hours	Fees	Man- Hours	Fees	Man- Hours	Fees	Man- Hours	Fees	Man- Hours	Fees			
<b>1. Project Coordination and Progress Meetings</b>	2	\$ 381.50	2	\$ 330.00	0	\$ -	0	\$ -	2	\$ 119.70	6		\$831.20
<b>2. Draft Submittal (75%)</b>	0	\$ -	5	\$ 825.00	8	\$ 920.00	12	\$ 984.00	0	\$ -	25		\$2,729.00
<b>3. Final Submittal (100%)</b>	0	\$ -	1	\$ 82.50	0	\$ -	4	\$ 328.00	0	\$ -	5		\$410.50
<b>TOTALS</b>	0	\$381.50	6	\$1,237.50	8	\$920.00	16	\$1,312.00	2	\$119.70	36	\$0.00	\$3,970.70

**TOTAL FEE = \$3,971**