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August 10, 2021

CLIENT: City of Hallandale Beach
400 South Federal Highway
Hallandale Beach, FL 33009

RE: FY 2018-2019-012 Continuing Professional Services

DISCIPLINE: Electrical Engineering

CONSULTANT: Calvin, Giordano & Associates, Inc.

WORK AUTHORIZATION NO.:

PROJECT: Hallandale Beach Blvd from Three Islands Blvd. to SR A1A, and SR A1A from Hallandale Beach Blvd. to County Line Rd.

CGA NO.: 21-4362.1

DATE: August 10, 2021

ATTENTION: Peter A. Kunen, P.E.
Assistant Director of Public Works/City Engineer

In accordance with RESOLUTION #2020-054, RFP# FY 2018-2019-012 Continuing Professional Services, the following scope of services is provided by Calvin, Giordano & Associates, Inc. (CGA) as requested by the City of Hallandale Beach (CITY) for the above reference project. This proposal, when executed, shall be incorporated in and become an integral part of the Agreement for professional services between CITY and CGA, hereafter referred to as the Agreement.

Background

The CITY desires electrical engineering consulting services for Hallandale Beach Boulevard and SR A1A. The services include reviewing and reporting the areas of need with respect to roadway lighting within the project. The roadways within the scope of work are Hallandale Beach Blvd, east of Three Island Blvd. to SR A1A; SR A1A from south of Hallandale Beach Blvd. to County Line Rd.. The roadway lighting photometric documents will follow 2021 FDOT Design Manual.

The specific scope of service included is detailed below:

1) **Task 1 – Pre-Design and Data Collection**

- A. Participate in kick-off meeting with CITY.
- B. Perform field investigation to verify existing roadway lighting within the roadways as define on the scope of work above.
- C. Coordinate with FDOT to obtain as-built documents of the existing roadways and existing luminaire information for the preparation of the existing roadways lighting photometric conditions.

2) **Task 2 – 30% Lighting Plans Production (Existing Conditions)**

- A. Sketch existing roadway layout from FDOT as-built documents and utilizing aerials.
- B. Prepare existing roadway photometric plans conditions for evaluation and discussion for potential improvements.
- C. Virtual meeting with CITY for review and comments on the existing roadway photometrics conditions.
- D. Virtual meeting with FWC for review and comments on the existing roadway photometrics, and discuss the potential luminaires and pole changes utilizing Amber LED luminaires for SR A1A and White LED luminaires for Hallandale Beach Blvd.
- E. Virtual meeting with FDOT for review and comments on the existing roadway photometrics, and discussion regarding the proposed luminaires and pole changes utilizing Amber LED luminaires for SR A1A and White LED luminaires for Hallandale Beach Blvd.

3) **Task 3 – 60% Lighting Plans Production**

- A. Prepare proposed lighting photometric plans per CITY, FWC and FDOT comments at the 30% lighting plans submittal. Plans will include proposed type of luminaires and poles to be used.
- B. Provide ASCE Quality Level D Data Collection for SR A1A only. New light poles are not anticipated for Hallandale Beach Blvd.
 - 1. Create an 811 Ticket and submit Utility Request letters to applicable utility owners.
 - 2. Create utility matrix for tracking.
 - 3. Log an input utility information into AutoCAD.
 - 4. This proposal does not include soft digs. An ASA shall be prepared if soft digs are required.
- C. Virtual meeting with CITY for review and comments on the proposed roadway lighting photometrics plans, luminaire type and poles.
- D. Submit the proposed roadway photometric plans, luminaire types and poles to FWC for review and comments.
- E. Submit the proposed roadway photometric plans, luminaire types and poles to FDOT for review and comments.
- F. Revise and re-submit roadways lighting photometric plans if required.
- G. Upon receiving approval from FWC and FDOT for the SR A1A photometric plans, we will proceed to the 90% lighting plan production for SR A1A.
- H. Upon approval from FWC and FDOT of the Hallandale Beach Blvd photometric plans, the package, including a cost estimate, will be prepared for advertising.

4) **Task 4 – 90% Construction Lighting Plans Production for SR A1A**

- A. CGA will not proceed with the design of 90% construction plan documents for SR A1A until CITY, FWC and FDOT approves the 60% photometric plans.
- B. Coordinate with FPL for the upgrades of the streetlights' electrical services for SR A1A, as required for the roadway lighting improvements.
- C. Prepare roadway construction lighting plans indicating proposed changes to the electrical system, conduits, wiring, etc. for SR A1A. Construction documents will be prepared as per 2021 FDOT Design Manual.
- D. Prepare construction cost estimate.
- E. Virtual meeting with CITY for review and comments on this construction plans submittal.
- F. Revised construction plans per CITY comments before submittal to FDOT.
- G. Submit construction plans documents to FDOT for permit approval.
- H. Revise construction plans documents per FDOT comments for re-submittal if required.

5) **Task 5 - 100% Construction Lighting Plans Production**

- A. CGA will not proceed with the design of 100% construction plans documents until FDOT and CITY approves the 90% construction lighting plans
- B. Provide construction plans and cost estimates to the CITY for bidding and building department dry run.

6) **Assumptions/Exclusions**

- A. No surveying services, CGA will use available information from FDOT as-built documents and aerials.
- B. No landscape architecture, civil engineering, traffic engineering, planning or zoning items are included in the Construction Lighting Plans.
- C. New or replacement of light poles on the existing bridge are not anticipated and not included in this proposal.
- D. Structural engineering or special footer designs are not included.
- E. We are assuming roadway lights from Three Island Blvd to SR A1A on Hallandale Beach Blvd. will be the replacement of existing HID luminaires to LED luminaires. Electrical changes to this section of Hallandale Beach Blvd. are not included in the scope of work.
- F. No building department permitting or bidding assistance is included.
- G. No post design or construction administration, including but not limited to, RFI's, shop drawing reviews, meetings, etc.
- H. No book specifications are included; notes and specifications will be provided on the plans as per FDOT Standards.

The table below gives the budget breakdown by task for the subject professional services; lump sum totals given below. The attached table provides the staff hour estimates by task.

Task	Task Subtotal
Task 1 - Pre-Design and Data Collection	\$3,760.00
Task 2 - 30 % Lighting Plans Production (Existing Conditions)	\$16,040.00
Task 3 - 60 % Lighting Plans Production	\$22,390.00
Task 4 - 90 % Construction Lighting Plans Production	\$31,790.00
Task 5 - 100 % Construction Lighting Plans Production	\$3,010.00
TOTAL BASE PROPOSAL PRICE	\$76,990.00

By: _____ Date: _____

Chris Giordano
President,
Calvin, Giordano & Associates, Inc.

By: _____ Date: _____

Dr, Jeremy Earle
City Manager
City of Hallandale Beach