

February 15, 2024

Ms. Karyn Sashi
Project Manager, R.A.
City of Hollywood
Design and Construction Management
2207 Raleigh Street
Hollywood, Florida 33020

RE: FDOT PEDESTRIAN LIGHTING PROJECT - ADDITIONAL SERVICES
CTA PROJECT NO. 24-0001
CTA PROPOSAL NO. 2024-H07.039

Dear Ms. Sashi,

We are pleased to submit this proposal for additional Professional Consulting Services as requested by FDOT in connection with the proposed FDOT Pedestrian Lighting Project on Stirling Road. The services provided will be in accordance with the Consulting Professional Services Agreement DS 18-014, dated January 30, 2019.

The proposed work limits are from Sarazen Drive to NW 46th Avenue on Stirling Road. The proposed improvements consist of an upgrade to the pedestrian lighting by adding fixtures to the existing transmission poles on Stirling Road. Specifically, our proposed scope of services and fees are as follows:

I. SURVEYING SERVICES

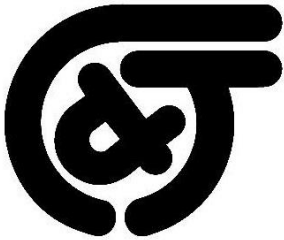
1.1 Specific Purpose Survey (Existing Roadway Improvements)
(CTA Task No. 12160)

The scope of work to be provided by Craven Thompson includes professional services for the elements listed below. The scope of work includes a Specific Purpose Survey for design purposes for a proposed new street lighting design on Stirling Road in the Emerald Hills Neighborhood of the City of Hollywood.

Survey Limits: ±1,900 L.F.



CRAVEN THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors
Landscape Architects

Scope of Work:

The survey shall meet the current Surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 51-17, Florida Administrative Code. The survey shall include the following:

- Recovery of sufficient existing boundary and/or right-of-way monumentation to determine the right-of-way lines needed to tie all visible improvements.
- Locations of all aboveground and visible improvements, including pavement, pavement markings, slabs, fences, signs, overhead wires, utility poles, and other utility features within the limits of the existing rights of way.
- Elevation roadway cross sections shall be taken at 500-foot intervals along the roadway and extend to the back edge of the concrete walks on both sides of the right-of-way.
- The elevations shall be relative to the North American Vertical Datum of 1988 (NAVD88) and based on the National Geodetic Survey (NGS), Florida Department of Transportation.
- The surveys shall be in the horizontal projection: State Plane, Florida East Zone, NAD 83(2011), US Survey feet.
- Provide semi-permanent survey control and benchmarks along the roadway at approximately 500-foot intervals. Provide benchmark references on Survey drawing.
- Trees will **NOT** be located and Structure As-builts will **NOT** be measured.
- Survey baselines shall approximate the center of the right-of-way when possible. Baselines shall increase in stationing. The value starting station shall be chosen in such a manner as to guard against the likelihood of negative stationing if the project is extended down-station. Suggested beginning stations are: 30+00 for primary baselines.
- Survey drawings shall be prepared in AutoCAD Civil 3D, Version 2022 or higher.
- Final deliverable shall be provided in hard copy, signed and sealed surveys, and electronically signed PDFs. Surveys shall be prepared at 22" x 34" size, suitable for printing offset on 24" x 36" paper.

Lump Sum..... \$34,970.00

TIME OF COMPLETION:

Note: Four to Six (4-6) weeks from the date of Notice-to-Proceed, (access & weather permitting).

II. ENGINEERING SERVICES

2.1 Engineering Plans for Pedestrian Lighting (CTA Task No. 31025)
(Electrical Engineering Provided by Quantum Electrical Eng.)

Provide additional Services to meet FDOT photometric requirement to upgrade the existing roadway lighting system on Stirling Road between Sarazen Drive and NW 46th Avenue. Design Documents: Includes additional coordination meetings with FDOT. Quantum shall provide photometric lighting calculations (point by point) for each direction of travel on Stirling Road between Sarazen Drive and NW 46th Ave (approximately 1,800LF) including photometric calculations for signal intersections and crosswalks, reflecting the FDOT/FP&L approved ATB2 luminaire per the current FDOT Design Manual and FP&L Standards.

Lump Sum..... \$6,952.00

III. CONTINGENCY

3.1 Contingency may be used for unforeseen conditions. Use of this Task will require a detailed scope of work and fee estimate and must be approved by Department of Design and Construction Management Deputy Director.

Budget..... \$2,500.00

TOTAL FEES **\$44,422.00**

PROJECT SCHEDULE

Authorization to Proceed to Bid Advertisement **3 Months**

SERVICES NOT INCLUDED

Additional services will be performed as authorized in writing by the Client.

Additional services include but are not limited to the following:

1. Any service not specifically listed herein.
2. Services required by additional governmental regulations which might be put into effect after the date of this agreement.
3. Any additional services requested by Client.

Acceptance

This proposal and fee schedules are based on acceptance within 30 days of the date of preparation. If not accepted by you within that time period, we reserve the right to re-evaluate the terms and conditions contained herein.

The above will be subject to the terms and conditions as specified in the Contract Documents. If the proposed work and fees contained herein are agreeable with you, please provide a Purchase Order and a Notice to Proceed.

Should you have any questions regarding the above, please do not hesitate to call.

Sincerely,

CRAVEN THOMPSON & ASSOCIATES, INC.



PATRICK J. GIBNEY, P.E.
Vice President, Engineering

PJG/tg

City of Hollywood Stirling Road Pedestrian Lighting Improvements
 CTA Proposal No. 2024-H07.039

2/15/2024

EXHIBIT D
 STAFF TIME ESTIMATE

Personnel	Hourly Rate	Hours per Task						Totals		
		Task 1.1	Task 2.1	Task 3.1	Task 2.3	Task 2.4	Task 2.5	Task 2.6	Hours	Cost
Administration										
Principal	\$200.00								0	\$0.00
Administrative Assistant	\$75.00								0	\$0.00
Sub Total									0	\$0.00
Engineering										
Principal Engineer	\$200.00								0	\$0.00
Sr. Supervising Engineer	\$185.00		16						16	\$2,960.00
Senior Engineer	\$135.00								0	\$0.00
Project Engineer	\$115.00								0	\$0.00
Senior CADD Technician	\$95.00								0	\$0.00
Sub Total									16	\$2,960.00
Construction										
Construction Manager	\$145.00								0	\$0.00
Senior Field Representative	\$95.00								0	\$0.00
Field Representative	\$85.00								0	\$0.00
Sub Total									0	\$0.00
Surveying										
Principal Surveyor	\$165.00	40							40	\$6,600.00
Professional Land Surveyor	\$125.00	60							60	\$7,500.00
Land Surveyor	\$115.00	82							82	\$9,430.00
Senior CADD Technician	\$85.00								0	\$0.00
Survey Laserscan Crew	\$260.00								0	\$0.00
Survey Crew	\$130.00	88							88	\$11,440.00
Sub Total									270	\$34,970.00
Landscape Arch./ Planning										
Principal LA Planner	\$165.00								0	\$0.00
Sr. Project LA Planner	\$135.00								0	\$0.00
Project LA Planner	\$125.00								0	\$0.00
Senior CADD Technician	\$95.00								0	\$0.00
Sub Total									0	\$0
Cost per Task		\$34,970.00	\$2,960.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$37,930.00
Budget per Task		\$34,970.00	\$2,960.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$37,930.00
Subconsultants										
Electrical Engineering - Quantum			\$3,992.00							\$3,992.00
										\$0.00
										\$0.00
Subconsultants Sub Total		\$0.00	\$3,992.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$3,992.00
Total		\$34,970.00	\$6,952.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
Direct Expenses										\$0.00
Contingency				\$2,500.00						\$2,500.00
Grand Total		\$34,970.00	\$6,952.00	\$2,500.00	\$0.00	\$0.00	\$0.00	\$0.00		\$44,422.00