

TASK ORDER No. 9

Dated this ____ day of _____, 2020

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

FORT LAUDERDALE EXECUTIVE AIRPORT REVISION TO BID PACKAGE SERVICES

PROFESSIONAL SERVICES

This Task Order between the City of Fort Lauderdale, a Florida municipal corporation ("CITY") and HDR Engineering, Inc., a Nebraska corporation authorized to transact business in the State of Florida ("CONSULTANT") is pursuant to the General Engineering Aviation Consulting Continuing Services Contract (Contract No. 12120-986-2), dated July 10, 2018 and expiring on July 9, 2021 ("MASTER AGREEMENT").

PROJECT BACKGROUND

This task order consists of revisions to the bid package and bid phase services for construction of in-pavement and elevated LED Runway Guard Light (RGL) units and surface markings at taxiway entrances to runways at Fort Lauderdale Executive Airport (FXE) (Exhibit B – Location Map). These locations have been identified as areas that may contribute to runway incursions and impact the operation of the airport. The original task order was for 9 locations. This task order is to revise the plans to account for removal of 4 of the locations from the work program. Subconsultant Quantum Electrical Engineering, Inc. (QEE) will provide the electrical components of the revisions.

- **Taxiway Echo and Runway 13-31 (Locations 1/3)**

In-pavement and elevated RGL units will be provided at the runway hold short bars on either side of the runway. Existing conduits will be utilized to run the required homerun back to the electrical vault. Surface painted location signs, surface painted hold position markings and enhanced taxiway centerline markings will also be provided.

- **Taxiway Alpha and Runway 31-31 (Location 2)**

In-pavement and elevated RGL units will be provided on the east side of the Runway 13-31 approach. Existing conduits will be utilized to run the required homerun back to the electrical vault. Surface painted location signs, surface painted hold position markings and enhanced taxiway centerline markings will also be provided.

- **Taxiway Mike and Runway 13-31 (Locations 4/5)**

In-pavement and elevated RGL units will be provided at the runway hold short bars on either side of the runway. Existing conduits will be utilized to run the required

homerun back to the electrical vault. Surface painted location signs, surface painted hold position markings and enhanced taxiway centerline markings will also be provided.

GENERAL REQUIREMENTS

Design Standards

The CONSULTANT shall be solely responsible for determining the standards the work shall meet and obtain the requisite regulatory approvals. The design shall include, but is not limited to, the plans and specifications, which describe systems, elements, details, components, materials, equipment, and other information necessary for construction. The design shall be accurate, coordinated between disciplines, and adequate for construction, and shall be in conformity, and compliance, with applicable laws, codes, permits, and regulations. The above shall be provided pursuant to the professional standard per master agreement.

Quality Control

The CONSULTANT is responsible for the quality control (QC) of their work and of its sub-consultants. The CONSULTANT shall provide to the City the list of sub-consultants which shall be used for this project. This list shall not be changed without prior approval of the CITY. Sub-consultant documents and submittals shall be submitted directly to the CONSULTANT for their independent QC review. The City shall only accept submittals for review and action from the CONSULTANT.

The CONSULTANT shall be responsible for the professional quality, technical accuracy, and coordination of pre-design services, designs, drawings, specifications, and other services furnished by the CONSULTANT and their sub-consultant(s). It is the CONSULTANT's responsibility to independently QC their plans, specifications, reports, electronic files, progress payment applications, schedules, and project deliverables required by this task order. The CONSULTANT shall provide the CITY with a marked up set of plans and/or specifications showing the CONSULTANT's QC review. Such mark-ups shall accompany the CONSULTANT's scheduled deliverables. The submittal shall include the names of the CONSULTANT's staff that performed the QC review for each component (structures, roadway, drainage, etc.).

Project Schedule

The CONSULTANT shall submit a preliminary project schedule as an exhibit of this task order. The schedule shall be prepared in Microsoft Project, and shall utilize an estimated Notice-to-Proceed (NTP), based on available information.

The CONSULTANT shall submit a final project schedule to the CITY, for approval, within 10 business days after receiving the NTP and prior to beginning work. No work shall

commence without an approved schedule. The final schedule shall include design, permitting activities, submittal review timeframes, and other project activities as required to complete the work. The CONSULTANT shall submit updated project schedules as required in the specific scope of services.

Permitting

No permits applications are anticipated for this project.

SPECIFIC SCOPE OF SERVICES

The Scope of Services to be provided by CONSULTANT shall be as follows:

Task 1 – Bid Package Revisions Submission and Bid Phase Services

CONSULTANT shall develop the preliminary plans necessary and appropriate for a 100% level design completion of the above improvements. The 100% design documents are intended to serve as bid documents. Specific tasks shall consist of the following:

1. Design of electrical items shall be schematic. Design of marking and paving shall be based on the base maps and runway alignments available to the CONSULTANT. Survey grade accuracy is not provided in this scope of work.
2. Revise construction phasing plans and redefine construction project limits by phase.
3. Revise lighting and signage plans
4. Revise technical specifications
5. Revise engineer's report. The engineer's report is not part of the bid documents. It will be provided by the bid due date.
6. Revise a construction safety and phasing plan (CSPP). CITY shall submit the CSPP to the FAA.
7. Revise the previous opinion of probable construction cost
8. Revise the construction schedule in Microsoft Project.
9. Conduct an in-house quality control review of the design documents prior to submittal to the CITY in accordance with the CONSULTANT QC Plan.
10. The CONSULTANT shall submit the plans, and specifications, for CITY review. The design drawings shall be submitted in 11" x 17" plan sheets. The CITY shall provide comments to the CONSULTANT within 3 days of receiving the submittal.
11. The CONSULTANT shall attend one (1) coordination meeting with the CITY to address review comments. CONSULTANT shall prepare the agenda, record, and submit meeting minutes to the CITY.

Deliverables: CONSULTANT shall provide the following for CITY review and written approval. Documents shall be provided in digital format and three (3) hard copies. Documents will be provided as full size (11"x17") drawings and letter size (8.5"x11") reports or specifications:

- Three (3) original sets of the 100% design package (11" x 17" plan sheets), together with one (1) electronic copy.
- Once comments are addressed, or if no comments or corrections are necessary, the CONSULTANT shall submit the Final Plans and Specifications. CONSULTANT shall provide three (3) original signed and sealed sets of the Final Design Package (24" x 36" plan sheets), together with an electronic copy.
- 100% drawings in PDF format
- Technical Specifications in Word format
- Engineer's Report in Word format (due after the bid documents, before receipt of bids)
- CSPP in PDF format
- Design and construction schedule in MS Project format
- Opinion of Probable Construction Cost in Excel format
- Agenda and notes of meetings held during this phase in PDF format
- Finalize bid forms with final quantities in .csv format

Bid Services

- The CONSULTANT shall assist the CITY in preparing the bid documents, including incorporating the CITY's front-end documents.
- The CONSULTANT shall attend the pre-bid meeting. The CONSULTANT shall respond to questions from prospective bidders. Subconsultant QEE will not attend the pre-bid meeting.
- The CONSULTANT shall provide supplemental information to prospective bidders as required during the bidding process through the issuance of addenda
- The CONSULTANT shall review bids to determine the most responsible and responsive bidder and provide the CITY with a recommendation for award of the construction contract.

Deliverables: CONSULTANT shall provide the following for CITY review and written approval:

- Plan set – Issued for Construction.
- Technical specifications – Issued for Construction
- CD containing CAD files of Issued for Construction plans and plot files (22"x34") in PDF in conformance with current CITY CAD standards as defined in this task order.
- Bidder Tabulation and Recommendation Letter

Task 2 – Subconsultant Services

QUANTUM ELECTRICAL ENGINEERING

CONSULTANT shall, through its sub-consultant, Quantum Electrical Engineering, provide design of electrical and signage components and supporting deliverables as detailed in Tasks 1.

PROJECT ASSUMPTIONS

1. No phasing or maintenance of traffic changes will be allowed after the project kickoff meeting. This is needed to meet the project schedule.
2. CITY shall provide access to site.
3. FXE Management and Operations will be available early in the design process to discuss and finalize proposed operational impacts necessary for the CSPP in order to meet the aggressive design schedule.
4. City shall provide existing electronic CAD files, if available. It is the CONSULTANTS responsibility to verify accuracy by visual inspection of the project area. CONSULTANT shall only be responsible for verifying the existence of easily viewable objects that are generally in the location where the files depict them.
5. Plans will be in conformance with CITY's current CAD standards for layout of title sheet, sheet borders, and file naming. CONSULTANT shall work with CITY to provide modifications to CAD standards to be used.
6. Front-end documents, advertisement, general provisions and related documents will be provided by CITY. CONSULTANT will provide actual bid proposal forms, technical specifications, the Engineer's report, and other written documents in Microsoft Word. The Engineer's report will conform to the FAA format. Designs will be in accordance with FAA Advisory Circulars.
7. Coordination with FAA to identify FAA underground facilities will be conducted by CITY.
8. Environmental services are excluded from this agreement. Should protected species be found within the limits of work and/or if construction encroaches into required burrow setbacks, CONSULTANT will perform environmental services as an Additional Service billed at our then hourly rate plus expenses.
9. Topographic survey is excluded from this agreement.
10. Geotechnical services are excluded from this agreement.
11. DBE monitoring is excluded from this agreement.
12. Opinions of probable project cost or probable construction cost provided by Consultant are made on the basis of information available to Consultant and on the basis of Consultant's experience and qualifications, and represents its judgment as an experienced and qualified professional engineer. However, since Consultant has no control over the cost of labor, materials, equipment or services furnished by others, or over the construction contractor(s') methods of determining prices, or over competitive bidding or market conditions, Consultant does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable cost Consultant prepares.

ADDITIONAL SERVICES

If authorized in writing by the CITY, as an amendment to this Task Order, the CONSULTANT shall furnish, or obtain, Additional Services of the types listed in the

MASTER AGREEMENT. The CITY, as indicated in the MASTER AGREEMENT, will pay for these services.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified in Task 1 within 15 working days of written Notice to Proceed, not inclusive of CITY review time, engineer's report, and bid phase. Bidding schedule shall be determined based on the bid dates and construction award period.

PROJECT FUNDING

Performance of this project is at the CITY's discretion and may be contingent upon the CITY receiving funding and work shall not begin until the CITY provides a Notice to Proceed to CONSULTANT. Anticipated funding will be 100% FAA.

METHOD OF COMPENSATION

The services performed will be accomplished using the Not-to-Exceed method of compensation. The total hourly rates payable by the CITY for each of CONSULTANT's employee categories, reimbursable expenses, if any, and sub-consultant fees, if any, are shown on **Exhibit A** attached hereto and made a part hereof. Pay application requests shall be prepared on the CITY's approved pay application request form. The CONSULTANT shall submit the pay application request to the CITY's Project Manager for review and approval. Once the CITY's Project Manager approves the CONSULTANT's pay application request, the CONSULTANT may submit it to the CITY's accounts payable department via email (AcctsPayable@fortlauderdale.gov) with a copy to the Project Manager. Pay application requests shall be submitted monthly.

TERMS OF COMPENSATION

Services will be provided for the following Not-to-Exceed amounts:

Task 1 – Bid Package Revisions Submission and Bid Phase Services	\$21,500.00
Task 2 - Subconsultant Services: Quantum Electrical Engineering	\$5,028.00
Reimbursable Expenses	\$500.00
Grand Total	\$27,028.00

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov after getting approval from the CITY's Project Manager. All other correspondence and submittals should be directed to the attention of Khant Myat, Project Manager II, at the address shown below. **Please be sure that all correspondence refers to the CITY project number and title as stated above.**

Khant Myat
Project Manager II
Public Works
City of Fort Lauderdale
City Hall, 4th Floor Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301
(954) 828-5061
kmyat@fortlauderdale.gov

Jill Prizlee, P.E.
Chief Engineer/Senior Project
Manager
Public Works
City of Fort Lauderdale
City Hall, 4th Floor Engineering
100 N. Andrews Ave.
Fort Lauderdale, FL 33301
(954) 828-5962
jprizlee@fortlauderdale.gov

CONSULTANT CONTACTS

HDR Engineering, Inc.
3250 West Commercial Blvd.
Suite 100
Fort Lauderdale, FL 33309
Cody Parham, P.E.
Email: cody.parham@hdrinc.com
Phone: 561-209-6641
Fax: 954-233-4953

CITY

ATTEST:

CITY OF FORT LAUDERDALE, a
municipal corporation of the State of
Florida.

JEFFREY A. MODARELLI
City Clerk

By: _____
Jodi S. Hart, CPPO, CPPB, MBA
Chief Procurement Officer

Date: _____
Pursuant to Section 2-178(b) and Section 2-179 Code of Ordinances
of the City of Fort Lauderdale, Florida.

(CORPORATE SEAL)

Approved as to form:

Shari C. Wallen, Esq.
Assistant City Attorney

CONSULTANT

WITNESSES:

HDR ENGINEERING, INC.,
a Nebraska corporation authorized to
transact business in the State of Florida

[Witness print/type name]

Jennifer Erin Hunt, Vice President

☐ President ☐ Vice President
☐ Authorized Signatory (Please provide
corporate authorization)

[Witness print/type name]

ATTEST:

(CORPORATE SEAL)

Secretary

[Print Name]

STATE OF _____:
COUNTY OF _____:

The foregoing instrument was acknowledged before me by means of ☐ physical presence
or ☐ online notarization, this ____ day of _____, 20__, by Jennifer Erin Hunt as
Vice President of HDR Engineering, Inc., a Nebraska corporation authorized to transact
business in the State of Florida.

(SEAL)

Notary Public, State of _____
(Signature of Notary Taking Acknowledgment)

Name of Notary Typed, Printed or Stamped

My Commission Expires: _____
Commission Number: _____

Personally Known ____ OR Produced Identification ____
Type of Identification Produced _____

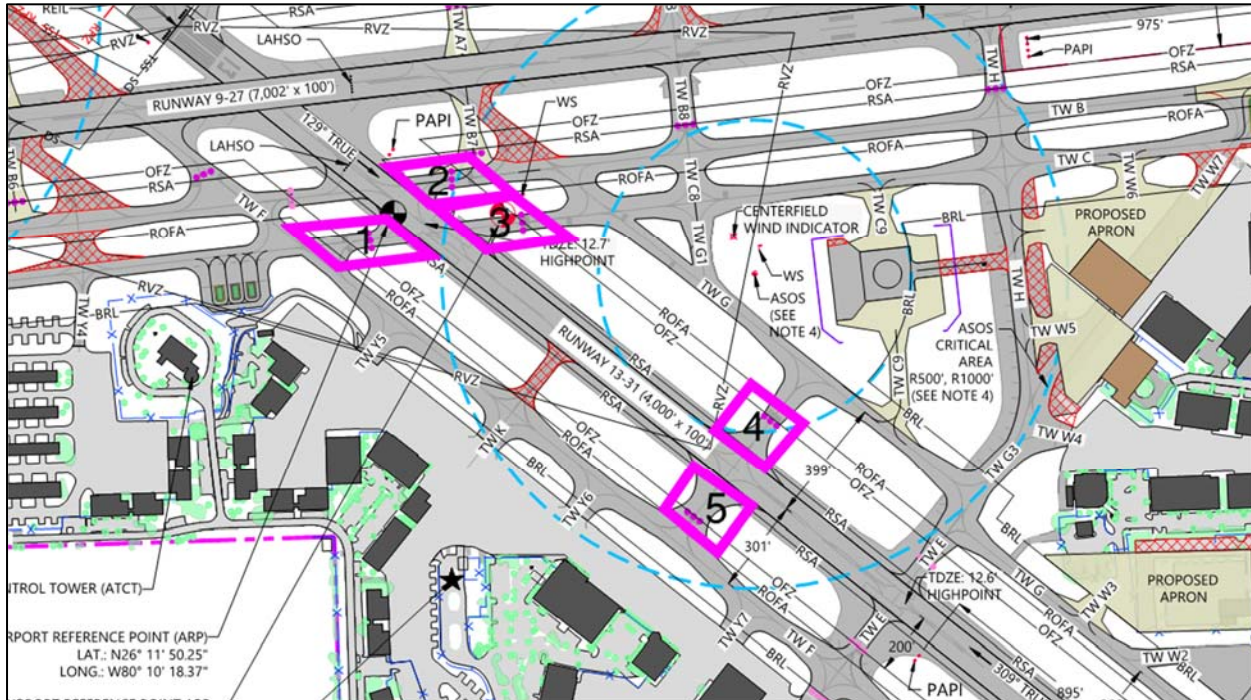
Exhibit A – Work Break Down Fee Schedules

**Fort Lauderdale Executive Airport
TO 9 Revision to Bid Package Services**

HDR Engineering, Inc. Fee Schedule

LABOR TASKS	Sr. Project Manager	Senior Engineer	Senior Designer	Project Controller	LABOR SUBTOTALS
Contract Rate	\$215.00	\$185.00	\$115.00	\$95.00	
Task 1 Revised Bid Documents					
Project management and administration	6				6
Revise phasing, marking plans	15	1	30		46
Revise tech specs	4				4
Revise engineer's report	4				4
Revise CSPP	2				2
Revise final bid forms with final quantities	1		1		2
Revise construction schedule	4				4
QA/QC of final contract documents	5		5		10
Provide construction documents for CITY approval	1		8		9
Design review meeting (1)	3		6		9
Pre-bid meeting	0		0		0
Response to bidders' questions and addenda	10		8		18
Final Conformed Documents	2		10		12
Accounting and Invoicing	4			4	8
Task 1 - Subtotal Hours	61	1	68	4	134
Task 1 - Subtotal Estimated Labor Cost	\$13,115.00	\$185.00	\$7,820.00	\$380.00	\$21,500.00
Subconsultant Services					
Quantum Electrical Engineering (Electrical Design)					\$5,028.00
Subtotal					\$5,028.00
Total Hours	61	1	68	4	134
Billable Hourly Rate	\$215.00	\$185.00	\$115.00	\$95.00	
Total Estimated Labor	\$13,115	\$185	\$7,820	\$380	\$21,500.00
Reimbursable Costs (printing; plotting)					\$500.00
PROJECT TOTAL					\$27,028.00

Exhibit B – Location Map



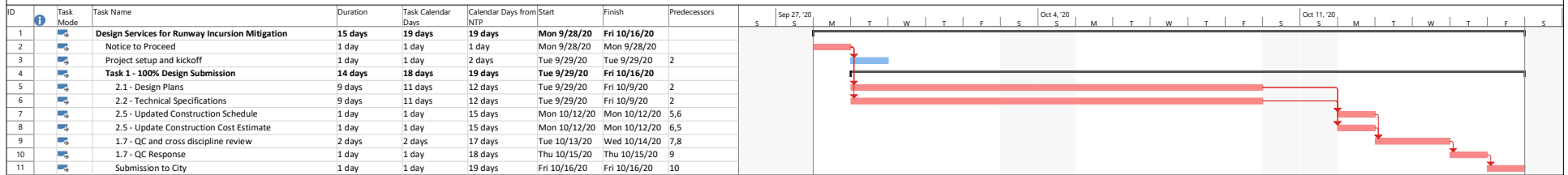
Note: Taxiway names depicted in the exhibit are future, not current.

Task Order No.: 9
Project No.: P12520
Project Name: Revision to Bid Package Services
Consultant: HDR Engineering, Inc.
Contract No.: 12120-986-2

Exhibit C – Project Tentative Schedule



Fort Lauderdale Executive Airport
P12520 HDR TO 9 Revisions to Bid Package



Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Critical Split
Split	Project Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Progress
Milestone	Inactive Task	Manual Task	Manual Summary	External Tasks	Critical	Manual Progress

Exhibit D – Subconsultant Agreements

MASTER SUBCONSULTANT AGREEMENT ATTACHMENT B

TASK ORDER

This Task Order dated _____, 2020, pertains to an Agreement by and between Quantum Electrical Engineering, Inc. (“Subconsultant”), and HDR Engineering, Inc. (“HDR”), dated February 7, 2020 (“Agreement”). Subconsultant shall perform Services on the Project described below as provided herein and in the Agreement. This Task Order shall not be binding until it has been properly signed by both parties. Upon execution, this Task Order shall supplement the Agreement as it pertains to the Project described below.

TASK ORDER NUMBER: 9

PROJECT NAME: FXE RIM Revision to Bid Package

PART 1.0 PROJECT DESCRIPTION:

The project requires professional engineering services for revision of bid documents for the in-pavement and above ground RGL units and surface markings at Fort Lauderdale Executive Airport. The Scope of Services will consist of revising bid documents consisting of plans, technical specifications, opinion of probable construction cost (OPC), and engineering report. Construction work will consist of pavement markings and lighting. The project will be designed such that construction will be performed in separate phases to accommodate the requirements of airport operations.

Quantum Electrical Engineering (QEE), shall support HDR in revising bid documents for electrical and signage to address the required modifications at each of the specific areas under a single bid package.

- **Taxiway Echo and Runway 13-31 (1/3)**

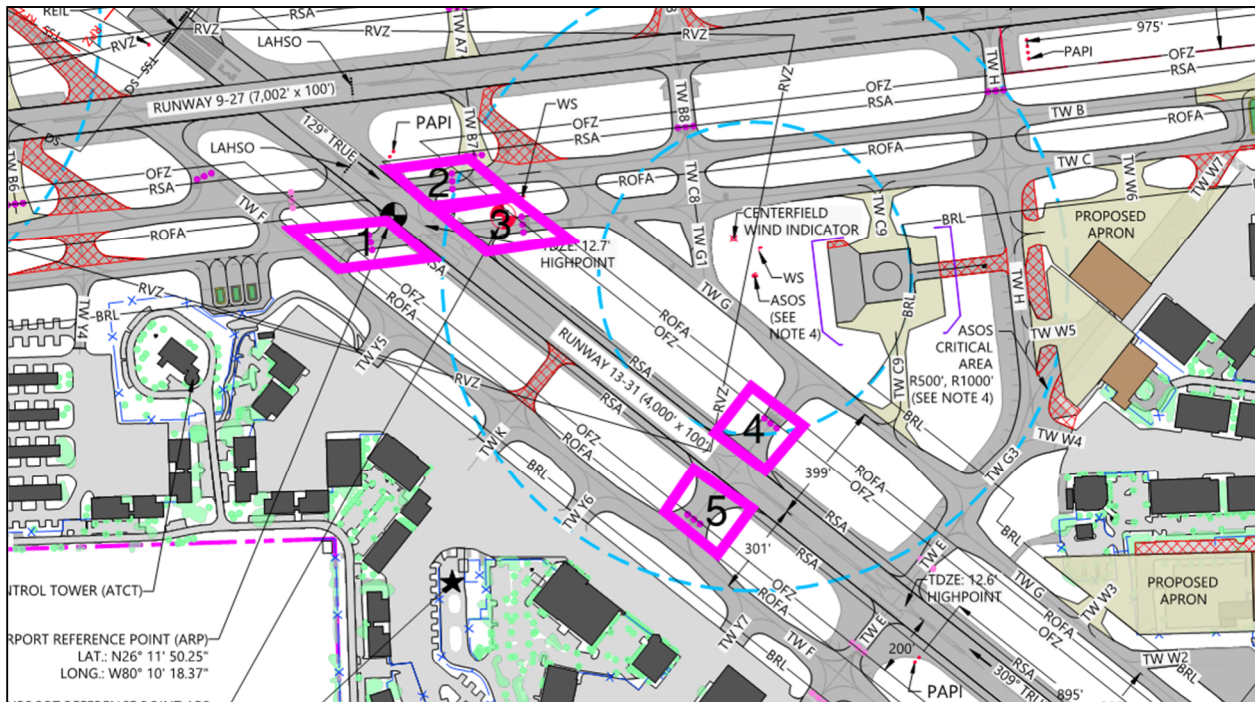
In-pavement and elevated RGL units will be provided at the runway hold short bars on either side of the runway. Existing conduits will be utilized to run the required homerun back to the electrical vault. Surface painted location signs and surface painted hold position markings will also be provided.

- **Taxiway Alpha and Runway 31-31 (2)**

In-pavement and elevated RGL units will be provided on the east side of the Runway 13-31 approach. Existing conduits will be utilized to run the required homerun back to the electrical vault. Surface painted location signs and surface painted hold position markings will also be provided.

- **Taxiway Mike and Runway 13-31 (4/5)**

In-pavement and elevated RGL units will be provided at the runway hold short bars on either side of the runway. Existing conduits will be utilized to run the required homerun back to the electrical vault. Surface painted location signs and surface painted hold position markings will also be provided.



- **Vault Improvements**

Includes modification to existing ALCMS.

PART 2.0 SCOPE OF BASIC SERVICES TO BE PERFORMED BY SUBCONSULTANT ON THE PROJECT:

Task 1.0 100% Bid Document Submission and Bid Phase Services

Subconsultant shall provide documents that consists of the revisions to bid documents and bid phase services for construction of in-pavement and elevated LED Runway Guard Light (RGL) units and surface markings at taxiway entrances to runways at Fort Lauderdale Executive Airport (FXE) . The original task order was for 9 locations, this Task Order is to revise the plans to account for removal of 4 of the locations from the work program. Specific tasks shall consist of the following:

1. Revise lighting and signage plans
2. Revise technical specifications
3. Revise engineer's report. The engineer's report is not part of the bid documents. It will be provided by the bid due date.
4. Revise the previous opinion of probable construction cost
5. Shall attend one (1) coordination meeting with the CITY to address review comments.
6. Respond to bidder's questions in the form of written addenda as needed to interpret, clarify, or expand the Bid Documents

Deliverables:

Subconsultant shall provide the following to HDR for CITY review and written approval:

- Plan set – Issued for Construction.
- Technical specifications – Issued for Construction
- Engineer's report sections
- OPC

PART 3.0 ADDITIONAL SERVICES, NOT PART OF BASIC SERVICES:

If authorized in writing by the City as an amendment to this Task order.

PART 4.0 HDR'S RESPONSIBILITIES:

- Project management
- Invoicing
- Base plans
- Front end documents
- CSPP
- Pavement Marking Design

PART 5.0 PERIODS OF SERVICE:

- Subconsultant will have 13 days from the Notice-to-Proceed to perform the services identified herein.

PART 6.0 SUBCONSULTANT'S COMPENSATION FOR SERVICES:

- Not to Exceed: HDR shall pay Subconsultant for all authorized and properly performed services at the rates attached hereto in Subconsultant Agreement Attachment C, "Fee Schedule" with a not-to-exceed ("NTE") amount of \$5,028. Subconsultant acknowledges that the NTE amount is not a guarantee of minimum work or payment. Subconsultant shall notify HDR when it has reached 90% of the NTE amount.
- Reimbursable Expenses: None

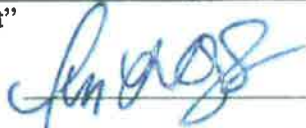
PART 7.0 EXECUTED TASK ORDERS BETWEEN OWNER AND HDR ATTACHED HERETO AS REFERENCE.

PART 8.0 OTHER:

IN WITNESS WHEREOF, the parties have executed this Task Order as of the day and year first written above.

Quantum Electrical Engineering, Inc.
"Subconsultant"

BY:



NAME: Amy Champagne-Baker

TITLE: President

ADDRESS: 5571 N. University Dr.
Coral Springs, FL 33067

HDR ENGINEERING, INC.
"HDR"

BY:



NAME: Jennifer E. Hunt

TITLE: Vice President

ADDRESS: 4830 W Kennedy Blvd
Tampa, FL 33609

City of Fort Lauderdale Executive Airport - FXE (5) New Runway Guard Lighting Systems -Electrical, Lighting Project.

QUANTUM ELECTRICAL ENGINEERING, INC.

SCOPE FEE SUMMARY

FEE PROPOSAL ELECTRICAL DESIGN to HDR 9/8/2020

	Rate	\$154.00	\$136.00	\$123.00	\$66.00	\$44.00	
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Clerical	Total	TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	TASK COST
TASK 1- Contract Document Preparation (100% Plans)							
Dsgn Mtgs FXE, HDR Team		2				2	\$272.00
On site verifications\Discovery Ph						0	\$0.00
Electrical Calculations		1				1	\$136.00
Review and Modify existing plan set		8		16	1	25	\$2,188.00
Specifications & Cost Estimates & Bid Items		8			8	16	\$1,440.00
Pre-bid meeting						0	\$0.00
RFI & Addendum		4		2	1	7	\$720.00
Bid Review and Recommendation		2				2	\$272.00
Subtotal	0	25	0	18	10	44	\$5,028.00
Subtotal	0	0	0	0	0	0	\$0.00
							\$0.00
							\$0.00
Subtotal	0	0	0	0	0	0	\$0.00
Grand Total Hours	0	25	0	18	10	44	
Grand Total Labor Cost	\$0.00	\$3,400.00	\$0.00	\$1,188.00	\$440.00		\$5,028.00