

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
Capital Expenditures	<u>\$50,829</u>	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues (Grants)	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	<u>\$50,829</u>	=====	=====	=====	=====
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

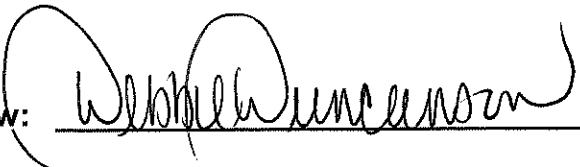
Is Item Included in Current Budget? Yes X No _____
 Does this item include the use of federal funds? Yes _____ No X
 Does this item include the use of state funds? Yes X No _____

Budget Account No: Fund 4111 Department 121 Unit A363 Object 6504

Reporting Category _____

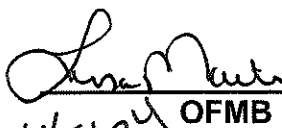
B. Recommended Sources of Funds/Summary of Fiscal Impact:

Approval of this Agenda Item will provide funds in the amount of \$50,828.79 for HDR Consulting Services in relation to the Cargo Access Improvement Project. Grant reimbursements will be determined as invoices are received.

C. Departmental Fiscal Review: 

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

 10/24/2024
 VK 10/24 OFMB OPA 10/23

 10/25/24
 Contract Dev. and Control

B. Legal Sufficiency:

 10-28-24
 Assistant County Attorney

C. Other Department Review:

 Department Director

REVISED 11/17
 (THIS SUMMARY IS NOT TO BE USED AS A BASIS FOR PAYMENT)

Attachment No. 1

Amendment No. 5 with HDR, Inc. – 2
Originals with Contract History



**AMENDMENT NO. 5 TO CONTRACT
BETWEEN
PALM BEACH COUNTY DEPARTMENT OF AIRPORTS
AND
HDR ENGINEERING, INC.
FOR
CONSULTING / PROFESSIONAL SERVICES AT
PALM BEACH COUNTY AIRPORTS**

This Amendment No. 5 to the Contract is made as of the 19th day of November, 2024, by and between **Palm Beach County**, a Political Subdivision of the State of Florida, by and through its Board of Commissioners, hereinafter referred to as the **COUNTY**, and **HDR Engineering, Inc.**, [] an individual, [] partnership, [X] a corporation authorized to do business in the State of Florida, hereinafter referred to as the **CONSULTANT**, whose Federal Tax I.D. number is 470680568.

WITNESSETH

WHEREAS, on August 20, 2019, the COUNTY entered into an Agreement (R-2019-1157) with the CONSULTANT for the CONSULTANT to provide Consulting / Professional Services for the Palm Beach County Department of Airports at Palm Beach County Airports (PBI, F45, LNA, & PHK); and

WHEREAS, on August 17, 2021, the County entered into an Amendment No. 1 (R-2021-1024) with the CONSULTANT to exercise the first one (1) year renewal option for the continuation of services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on June 7, 2022, the County entered into an Amendment No. 2 (R-2022-0574) with the CONSULTANT to exercise the second one (1) year renewal option for the continuation of services and to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on August 23, 2022, the County entered into an Amendment No. 3 (R-2022-0887) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, on March 5, 2024, the County entered into an Amendment No. 4 (R-2024-0233) with the CONSULTANT to provide additional professional services for the Department of Airports, Palm Beach County, in accordance with Article 25 of the original Agreement; and

WHEREAS, Article 25 of the Contract requires an amendment when the parties are able to define additional services and the parties have now defined those services;

NOW THEREFORE, in consideration of the mutual covenants herein contained, and such other good and valuable consideration, the receipt of which the parties hereby acknowledge, the parties agree to the following terms and conditions:

1. The parties hereby agree to amend the Contract to include the Scope of Services and Fees as outlined in Exhibit A. The total amount to be paid by the COUNTY to the CONSULTANT for professional services, including any out of pocket expenses, shall not exceed Fifty Thousand, Eight Hundred Twenty-Eight Dollars and 79 Cents (\$50,828.79) for the services in Amendment No. 5 to the original contract.

HDR ENGINEERING, INC.
OCTOBER 2024

AMENDMENT 5 TO R-2019-1157
CONTRACT FOR CONSULTING SERVICES

2. The first paragraph of Article 2 of the Contract is hereby amended to delete the last sentence in its entirety and replace it with the following:

The parties acknowledge and agree that additional services may be required to complete services, tasks or work authorized prior to the expiration of the Contract (“Supplemental Services”). In the event the COUNTY requires Supplemental Services, the parties shall enter into an agreement for the provision of the Supplemental Services by the CONSULTANT, which shall be subject to the same terms and conditions as the Contract except as specifically provided for in the agreement for Supplemental Services. This parties agree the CONSULTANT’s agreement to provide Supplemental Services in accordance with the provisions of this Article 2 shall survive the expiration or early termination of the Contract.

3. The Contract is hereby amended to add the following:

ARTICLE 36 – HUMAN TRAFFICKING AFFIDAVIT

The CONSULTANT warrants and represents that it does not use coercion for labor or services as defined in section 787.06, Florida Statutes. The CONSULTANT has executed Exhibit E, Nongovernmental Entity Human Trafficking Affidavit, which is attached hereto and incorporated herein by reference.

4. Except as specifically amended herein, all other terms and conditions of the Contract shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused the Fifth Amendment to the Contract to be signed by the Mayor of the Board of County Commissioners and the Seal of said Board to be fixed hereto and attested by the Clerk of said board, and the CONSULTANT, HDR Engineering, Inc., has caused these presents to be signed in its corporate name by its duly authorized officer Katie E. Duty, Vice President, acting on behalf of said CONSULTANT, and the Seal of said CONSULTANT to be affixed hereto and attested by the Secretary of said CONSULTANT, the day and year first written above.

ATTEST:
JOSEPH ABRUZZO
CLERK OF THE CIRCUIT COURT
& COMPTROLLER

PALM BEACH COUNTY, FLORIDA
BOARD OF COUNTY COMMISSIONERS:

By: _____
Deputy Clerk

By: _____
, Mayor

WITNESS:
Pardo, Michelle J Digitally signed by Pardo, Michelle J
Date: 2024.09.05 10:48:48 -04'00'

SIGNATURE

CONSULTANT:
HDR Engineering, inc.

COMPANY NAME

Michelle J. Pardo

Name (type or print)

Duty, Katie E. Digitally signed by Duty, Katie E.
Date: 2024.09.05 10:38:00 -04'00'

Signature

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

Katie E. Duty

Name (type of print)

By: Arnie Helgert
County Attorney

Vice President

Title

APPROVED AS TO TERMS
AND CONDITIONS

By: Jan Bubs
Director of Airports

CERTIFICATE

The undersigned hereby certifies that she is the Assistant Secretary of HDR Engineering, Inc., a Nebraska corporation (the "Corporation"), and that, as such, has custody of the minute books of the Corporation, and that, by Consent and Agreement of the Board of Directors, the following resolution was unanimously adopted:

1. **"RESOLVED**, that effective immediately, and until termination of said individual from the Corporation, or until rescission by the Corporation's Board of Directors, whichever occurs first, the following individuals are hereby granted the nondelegable authority to execute or approve on behalf of the Corporation, contracts, amendments or change orders for engineering services and architectural services incidental to engineering services to be rendered by the Corporation, . . . , or releases of claim or lien in connection with such services, such contracts, amendments, change orders or releases so executed or approved shall be binding upon the Corporation:

- . . . Jennifer E. Hunt – Senior Vice President . . .
- . . . Harold E. Lewis, Jr. – Senior Vice President . . .
- . . . L. Kevin Mosteller – Senior Vice President . . .
- . . . Melanie E. Fowler – Vice President . . .
- . . . George W. McGregor – Vice President . . .
- . . . Erki Suarez – Vice President . . .
- . . . Katie E. Duty – Vice President . . .
- . . . John E. Wimberly – Vice President . . .
- . . . Jeffrey B. Arms – Associate Vice President . . .
- . . . Matt D. Bell – Authorized Representative . . ."

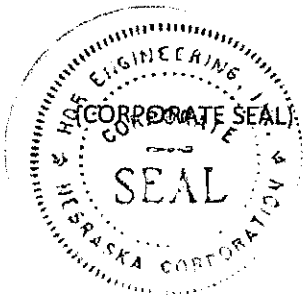
2. **"RESOLVED**, that the following are elected officers of the Corporation until their successors are elected and qualified:

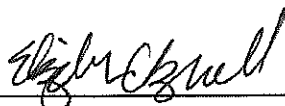
- . . . Stephen J. Ferrell – Senior Vice President . . .
- . . . Jennifer E. Hunt – Senior Vice President . . .
- . . . Chance V. Lauderdale – Senior Vice President . . .
- . . . Andrew E. Lauzier – Senior Vice President . . .
- . . . Harold E. Lewis, Jr. – Senior Vice President . . .
- . . . Kent L. McWaters – Senior Vice President . . .
- . . . L. Kevin Mosteller – Senior Vice President . . .
- . . . Jay C. Nagle – Senior Vice President . . .
- . . . Guillermo J. Suero – Senior Vice President . . .
- . . . Brenda Van Ravenswaay – Senior Vice President . . .
- . . . Brian A. Blanchard – Vice President . . .
- . . . Samuel D. Cobb – Vice President . . .
- . . . Stephen W. Dortch – Vice President . . .
- . . . Katie E. Duty – Vice President . . .
- . . . Melanie E. Fowler – Vice President . . .

... John M. Hansen – Vice President ...
... Lew R. Herrington – Vice President ...
... Donald R. Holcomb – Vice President ...
... John B. Hyre – Vice President ...
... Carlos C. Lopez-Paniagua – Vice President ...
... George W. McGregor – Vice President ...
... Kristina M. Price – Vice President ...
... Thomas A. Quinn – Vice President ...
... Marlin A. Register II – Vice President ...
... Mark G. Roberts – Vice President ...
... Santanu Roy – Vice President ...
... Steven J. Schnell – Vice President ...
... Erki Suarez – Vice President ...
... John E. Wimberly – Vice President ...
... Jeffrey B. Arms – Associate Vice President ...
... W.D. D. Baldwin – Associate Vice President ...
... Lisa C. Bell – Associate Vice President ...
... Jonathon D. Burchfield – Associate Vice President ...
... Brad B. Collins – Associate Vice President ...
... Raphael C. Costa – Associate Vice President ...
... Ted E. Davidson – Associate Vice President ...
... Mark E. Hall – Associate Vice President ...
... Keith A. Howard – Associate Vice President ...
... Warren F. Jenik – Associate Vice President ...
... Javier Manso – Associate Vice President ...
... Daniel S. Suarez – Associate Vice President ...
... Leonel A. Zapata – Associate Vice President ...
... Elizabeth C. Buell – Assistant Secretary ...
... Laurie S. Vik – Assistant Secretary ...”

The undersigned further certifies that the foregoing resolution has been spread in full upon the minute books of the Corporation and is in full force and effect.

DATED August 19, 2022.

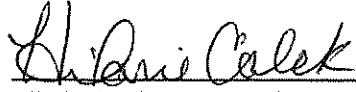


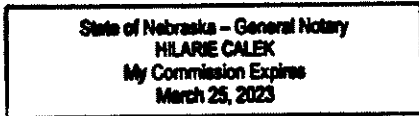

Elizabeth C. Buell, Assistant Secretary

STATE OF NEBRASKA
COUNTY OF DOUGLAS

On this 19th day of August, 2022, before me personally appeared Elizabeth C. Buell, known to me to be the person who executed the within instrument as Assistant Secretary of and on behalf of the corporation therein named and acknowledged to me that the corporation executed it.

(NOTARY SEAL)


Hilarie Calek, Notary Public





September 17, 2024

Palm Beach County Department of Airports
ATTN: Mr. Michael Giambone, Director of Airports Planning
846 Palm Beach International Airport
West Palm Beach, Florida 33406-1470

RE: Airport Civil Consulting Services for the Palm Beach County Department of Airports
Amendment No. 5 to Contract

Dear Mr. Giambone:

HDR is pleased to submit for your review and approval the Amendment No. 5 for the Airport Civil Consulting Services Contract for the Palm Beach County Department of Airports. The proposed total professional fee is not to exceed \$50,828.79. The following support documents are included in this submittal:

- Certificate of Insurance
- General Exhibits, including:
 - Exhibit A – Amendment No. 5
 - Exhibit B - Detailed Fees, Expenses and Payments
 - Exhibit C - Proposed Schedules
 - Exhibit D - Disadvantaged Business Enterprise Compliance
 - Exhibit E - Nongovernmental Entity Human Trafficking Affidavit

Please contact me if you have any questions regarding this transmittal. My direct phone is (561) 209-6641.

Sincerely,
HDR Engineering, Inc.

Cody Parham, P.E.
Project Manager

cc:
Cindy Portnoy – PBCDOA
Will Bowdoin - HDR

hdrinc.com

1475 Centrepark Blvd., Suite 230, West Palm Beach, FL 33401-7425
(561) 209-6600

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS
 CONTRACT WITH HDR ENGINEERING, INC.
 FOR AIRPORT CONSULTING/PROFESSIONAL SERVICES
 R2019-1157
 CONTRACT HISTORY

AGREEMENT	APPROVAL DATE	RESOLUTION NUMBER	DBE COMMITMENT	AMENDMENT AMOUNT	CONTRACT AMOUNT	DESCRIPTION
ORIGINAL CONTRACT	8/20/2019	R2019-1157	CONTRACT 20% TASK 12.7%	NOT APPLICABLE	\$960,107.00	North Palm Beach County General Aviation Airport (F45) Runway 9R/27L Rehabilitation Design Services, F45 Ramp Area Expansion Study, Palm Beach County Park Airport (LNA) Runway 4/22 Rehabilitation Design Services, Palm Beach International Airport (PBI) Cargo Access Study, and Miscellaneous Engineering and Planning Consulting Services
AMENDMENT 1	8/17/2021	R2021-1024	NOT APPLICABLE	\$0.00	\$960,107.00	Exercise first one (1) year contract renewal option
AMENDMENT 2	6/7/2022	R2022-0574	26.0%	\$541,180.72	\$1,501,287.72	F45 Terminal Ramp Expansion Design, LNA Runway 10/28 Surface Treatment Design, and exercise the second one (1) year renewal option
AMENDMENT 3	8/23/2022	R2022-0887	29.0%	\$339,430.44	\$1,840,718.16	PBI Cargo Access Improvement Design
AMENDMENT 4	3/5/2024	R2024-0233	10.0%	\$194,486.47	\$2,035,204.63	F45 Terminal Ramp Value Engineering Design and F45 Runway 9R-27L Design Update
AMENDMENT 5	PENDING	PENDING	3.0%	\$50,828.79	\$2,086,033.42	Cargo Access Improvement Bid Alternate and Value Engineering
TOTAL			20.0%	\$1,125,926.42	\$2,086,033.42	

AMENDMENT NO. 5 INDEX

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 5

EXHIBIT A-1 – Task I-24-PBI-H-014: Cargo Access Improvements Bid Alternate and Value Engineering

EXHIBIT B: DETAILED FEES, EXPENSES AND PAYMENTS

EXHIBIT B-I: Summary of Fees

EXHIBIT B-II: Schedule of Payments

EXHIBIT C – PROPOSED SCHEDULES

EXHIBIT D – DISADVANTAGED BUSINESS ENTERPRISE COMPLIANCE

CERTIFICATE OF INSURANCE



**Palm Beach County
Compliance Summary Report**

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00000767	HDR Engineering, Inc.	Modified	Compliant with Minor/Expiring Deficiencies					DOA 18-2B	Airport Civil Consulting Services
		Ap , XV	Liberty Mutual Fire Insurance Company	AS2641444950044	6/1/2024	6/1/2025	Auto Liability		
		Ap , XV	The Ohio Casualty Insurance Company	EUO2557919363	6/1/2024	6/1/2025	Excess Liability		
		Ap , XV	Liberty Mutual Fire Insurance Company	TB2-641-444950-034	6/1/2024	6/1/2025	General Liability		
		Ar , XV	Liberty Insurance Corporation	WA7-64D-444950-014	6/1/2024	6/1/2025	Workers Comp		

Risk Profile : Standard - General Services-AOA
Required Additional Insured : Palm Beach County Board of County Commissioners
Ownership Entity :

EXHIBIT A: AMENDMENT NO. 5

This Amendment No. 5 is in accordance with the Contract for Consulting/Professional Services (Agreement R-2019-1157) between Palm Beach County (COUNTY) and HDR Engineering, Inc. (CONSULTANT) dated August 20, 2019.

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 5

EXHIBIT A-1 – Task I-24-PBI-H-014: Cargo Access Improvements Bid Alternate and Value Engineering

EXHIBIT B: DETAILED FEES, EXPENSES AND PAYMENTS

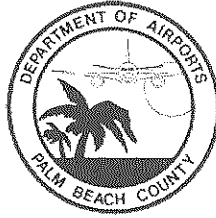
EXHIBIT B-I: Summary of Fees
EXHIBIT B-II: Schedule of Payments

EXHIBIT C – PROPOSED SCHEDULES

EXHIBIT D – DISADVANTAGED BUSINESS ENTERPRISE COMPLIANCE

EXHIBIT A-1 – Task I-24-PBI-H-014: Cargo Access Improvements Bid Alternate and Value Engineering

Palm Beach County Department of Airports



Airport Civil Consulting Services

Task Authorization No. I-24-PBI-H-014

Palm Beach International Airport (F45)

**Cargo Access Improvements Bid Alternate and Value
Engineering**



1475 Centrepark Boulevard, Suite 230
West Palm Beach, FL 33401

October 2024



EXHIBIT 'A'

SCOPE OF SERVICES

Description of the services outlined below in Section 0 - General is intended to be general in nature and should not be construed to be a complete description of the services or a limitation on the Scope of Services to be provided. Refer to Sections 1 through 8 for the definition of specific scope items to be performed by HDR.

0. GENERAL

0.1 THE PROJECT

The Palm Beach County (COUNTY) Department of Airports (DOA) Palm Beach International Airport (PBI) is designated a medium hub primary commercial service airport and serves helicopters, reciprocating engine aircraft, and jet aircraft. In February 2024, HDR (Consultant) delivered design documents for bidding ingress/egress improvements between the cargo facility, Turnage Boulevard, and Australian Avenue, consisting of paving, grading, drainage, markings, and signage improvements. One bid was received in March 2024 that exceeded the project construction budget.

The Consultant analyzed drivers of the cost overrun and identified bid alternate and value engineering (VE) scope reductions to reduce construction costs. The COUNTY wishes for the Consultant to proceed with revision of the design documents to incorporate the bid alternate and VE suggestions. The revisions consist of the following elements as shown in Figure 1.

- Base Bid
 - Consists of work at the Perimeter Road and ramp intersection, realignment of the on-ramp to James L. Turnage Boulevard, widening of and milling & resurfacing of James L. Turnage Boulevard, replacement of two overhead sign structures, replacement of two roadway light poles, drainage improvements, and removal of impacted trees.
- Bid Alternate
 - Consists of widening of perimeter road turnouts/driveways, milling & resurfacing of Perimeter Road, reconstruction of specific Perimeter Road segments, replacement of one roadway light pole, and widening/resurfacing of Perimeter Road connection to Australian Avenue.
- Value Engineering
 - Remove the 2' shoulder widening scope on Perimeter Rd
 - Replace the reconstruction work with asphalt overbuild along the limits of existing roadway on Perimeter Rd at the new James L Turnage Boulevard ramp

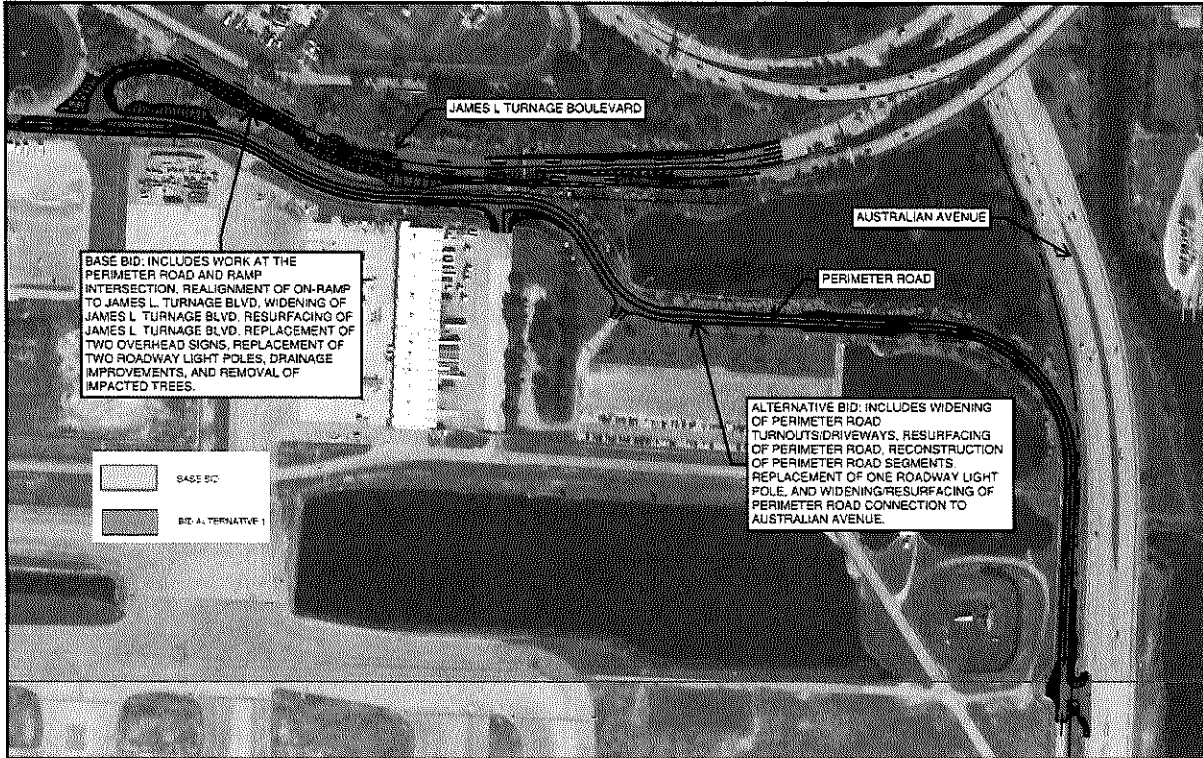


Figure 1 Project Scope Components

Consultant will perform the design updates as a task under its Professional Services Agreement (PSA) with the DOA. The desired project outcomes are:

- Revised design documents for bidding, reflecting the base bid, bid alternate and value engineering scope reduction. Supporting documents to be revised consist of revised front ends and specifications, construction phasing/schedule, and schedule of values.

The following HDR Team members will be involved in this project for the roles defined as follows. Their respective scope and fee proposals are herein.

- Quantum Electrical Engineering (QEE): Electrical and lighting design
- Chen Moore and Associates (CMA): Stormwater and landscaping design

PROJECT DESCRIPTION AND GENERAL SCOPE

Consultant will perform the services as a task under its Professional Services Agreement (PSA) with the COUNTY. The desired task outcome will be the delivery of documents to support the bidding of construction work.

1. Phase 1A: Planning and Programming

This phase is not part of this proposal.

2. Phase 1B: Conceptual Design

This phase is not part of this proposal.

3. Phase 2: Schematic Design

This phase is not part of this proposal.



4. Phase 3A: 60% Construction Documents

This phase is not part of this proposal.

5. Phase 3B: 90% Construction Documents

This phase is not part of this proposal.

6. Phase 3C: 100% Construction Documents

- 6.1. Preparation of updated drawings designating the base bid work from the bid alt work.
- 6.2. Preparation of updated drawings to remove the value-engineered scope
- 6.3. Prepare final construction schedule.
- 6.4. Prepare final OPC. The CONSULTANT shall designate the proposed construction schedule of values into NAICS code categories for the DOA's use in calculating a DBE goal for construction bidders.
- 6.5. Prepare final front end and technical specifications.
- 6.6. Design Team Coordination Meetings. CONSULTANT will conduct up to 5 weekly design team coordination meetings during this phase to coordinate among the disciplines and subconsultant team members.
- 6.7. Submit phase deliverables. CONSULTANT will submit the phase deliverables from Table 2 for review by the DOA.
- 6.8. Submittal review meeting. CONSULTANT shall coordinate and attend one (1) meeting at the DOA to review the submittal. The CONSULTANT will provide written minutes from the meeting.

7. Phase 4: Bidding and Award of Contract

- 7.1. CONSULTANT will assist the COUNTY in conducting one pre-bid conference for the prime contract to share pertinent bidding and technical information and requirements with prospective bidders. Consultant will attend one site visit with prospective bidders.
- 7.2. CONSULTANT will issue up to 3 addenda to interpret, clarify or expand the Bidding Documents.
- 7.3. CONSULTANT will prepare bid tabulation sheets and assist COUNTY in evaluating bids or proposals and in assembling and awarding contracts for construction, materials, equipment, and services.
- 7.4. CONSULTANT will issue a conformed set of plans and the project manual.

8. Phase 5: Construction Administration Services

This phase is not part of this proposal.



PROJECT SCHEDULE

Table 1 Project Design Schedule

Phase	Duration
1A – Planning and Programming	N/A
1B – Conceptual Design	N/A
2 – Schematic Design	N/A
3A – 60% Construction Documents	N/A
3B – 90% Construction Documents	N/A
3C – 100% Construction Documents	90 calendar days after NTP
4 – Bid and Award	Concurrent with the bid phase
5 – Construction Administration	N/A

SUMMARY OF DELIVERABLES

Table 2 Deliverables by Phase

Task	Deliverables
Phase 3C – 100% Construction Documents	<ul style="list-style-type: none"> • Drawings (1 hard copy 11x17 if requested, PDF, AutoCAD 2022.dwg) • Construction schedule • Opinion of probable construction cost and NAICS code breakdown (Excel) • Project Manual (Front End and Technical Specifications, 1 hard copy if requested, Word) • Submittal review meeting minutes • All submittals in PDF format unless noted
Phase 4 – Bid and Award	<ul style="list-style-type: none"> • Pre-Bid Meeting Slides (Power Point) • Bid Tabulation (Excel) • Award Recommendation (PDF) • Conformed Plans and Project Manual (1 hard copy 11x17 if requested, PDF, AutoCAD 2022.dwg)

TEAM ROLES

Table 3 Team Roles

Firm	Description
HDR	<ul style="list-style-type: none"> • Project management, civil engineering (Roadway Design and Signing and Pavement Design)
Quantum Electrical Engineering*	<ul style="list-style-type: none"> • Electrical engineering and lighting
Chen Moore and Associates	<ul style="list-style-type: none"> • Stormwater and landscaping design

*DBE Firm



ASSUMPTIONS

- 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.
- Front end specification templates are provided by the DOA.
- Tree mitigation fees shall be paid by the CONSULTANT, as an expense item under its constructions services scope to be issued as a future contract.

EXCLUSIONS

- Construction phase services



Subconsultant Contract
Quantum Electrical Engineering
Electrical and Lighting Design

QUANTUM

Electrical Engineering, Inc.

July 31, 2024

HDR, Inc.
Mr. Emilio Corrales, P.E.
1475 Centrepark Boulevard – Suite 230
West Palm Beach, FL 33401-7412

Subject: Electrical Engineering Services Fee Proposal for the Palm Beach International Airport Cargo Access Road Improvements Repackaging.

Dear Emilio:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide HDR Inc. (HDR) an electrical engineering services fee proposal for the Palm Beach International Airport Cargo Access Road Improvements Repackaging. Proposal is based on information provided by HDR via email on 07/31/2024. The following tasks are included in our scope:

Repackaging of Bid Documents

- Includes coordination meetings with DOA and the HDR design team.
- QUANTUM shall revise/up-date the electrical plans, specifications and bid items to incorporate base bid and alternate bidding items.
- Includes attending pre-bid meeting.
- Includes responses to RFIs and addenda revisions.
- Includes review of electrical bid results.

Exclusions and Assumptions

- Assumes minor revisions to plans and specifications with no redesign.
- HDR shall provide all drawings from to QUANTUM in AutoCAD 2022 or higher.
- QUANTUM shall provide an (1) electronic set of electrical plans & specifications to HDR for permit and rebid documents.
- HDR shall provide all printing of plans & specifications for review, rebid, permit and construction phases.
- Does not include construction services.

Our proposed Lump Sum fee is: \$ 1,771.15
(See Attachment for Breakdown)

Sincerely,



Amy Champagne-Baker, PE
President

Palm Beach County
2755 Vista Parkway, Suite I-12
West Palm Beach, FL 33411
561.210.9224

www.QuantumElectricalEngineering.com

Broward County
5571 N. University Drive, Suite 101
Coral Springs, FL 33067
954.369.5810

PALM BEACH COUNTY DEPARTMENT OF AIRPORTS - PBI CARGO ACCESS ROAD IMPROVEMENTS REPACKAGING								
QUANTUM ELECTRICAL ENGINEERING, INC. SCOPE FEE SUMMARY								
FEE PROPOSAL ELECTRICAL DESIGN to HDR 07/31/24								
	Rate	\$161.54	\$144.23	\$138.46	\$80.77	\$132.69	\$46.15	
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total	TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	TASK COST
Repackaging Bid Documents								
Mtgs with DOA & HDR		1					1	\$144.23
Plan Revisions		2	2	4			8	\$888.46
Subtotal	0	3	2	4	0	0	9	\$1,032.69
Bid & Award								
Pre-Bid Meeting		1						\$144.23
Review of Bid Results & Recommendation		1						\$144.23
RFI Responses		2		2				\$450.00
Subtotal	0	4	0	2	0	0	0	\$738.46
Grand Total Hours	0	7	2	6	0	0	9	\$1,771.15
Grand Total Labor Cost	\$0.00	\$1,009.61	\$276.92	\$484.62	\$0.00	\$0.00		



Subconsultant Contract
Chen Moore and Associates
Stormwater and Landscape Design

500 S. Australian Ave., Suite 850
West Palm Beach, FL 33401
Office: +1 (561) 746-6900



August 9, 2024

SENT VIA E-MAIL (blehr@chenmoore.com)

Mr. Emilio Corrales
HDR
8333 NW 53rd Street, Suite 302
Doral, FL 33166
305-728-7428

**Subject: PBI Cargo Access Road Improvements
Civil Engineering and Landscape Architecture Bid Support Services
CMA Proposal No. 24-0065.P0001-004**

Dear Mr. Corrales,

Chen Moore and Associates, Inc. (CMA) is pleased to submit the following Scope of Services and associated fee estimate to assist your team with the bid support services for the referenced project.

PROJECT INTRODUCTION

The Palm Beach County (COUNTY) Department of Airports' (DOA) Palm Beach International Airport (PBI) is designated as a medium hub primary commercial service airport and serves helicopters, reciprocating engine aircraft, and jet aircraft.

A Master Plan Update (MPU) was developed for PBI in 2018 with the purpose of evaluating the capability of the airport's facilities to accommodate anticipated changes in demand. Air cargo facilities, located in the central-eastern area of the PBI property, were analyzed as part of the MPU. A deficiency was identified in the existing roadway network serving the air cargo facilities. The roadway network provides sub-optimal access for truck ingress and egress to and from the air cargo campus. HDR conducted a feasibility study in April 2020 to determine the viability of implementing egress/ingress improvements to the roads providing access to the air cargo facility. DOA staff advised HDR that alternative 3 is preferred, with no improvements to the connection between Australian Ave and Perimeter Rd. The COUNTY had its consultant team, led by HDR proceed with the design of the Cargo Access Road improvements.

Due to higher-than-expected construction costs, the design team completed a value engineering assessment and coordinated with the PBCDOA to split the proposed work into a Base Bid and Bid Alternative 1. It is anticipated that all drainage and landscape work, with the exception of sod, will remain under the Base Bid option.

The following scope of services includes bid support from CMA for the stormwater and landscaping components related to the re-advertisement of the project.

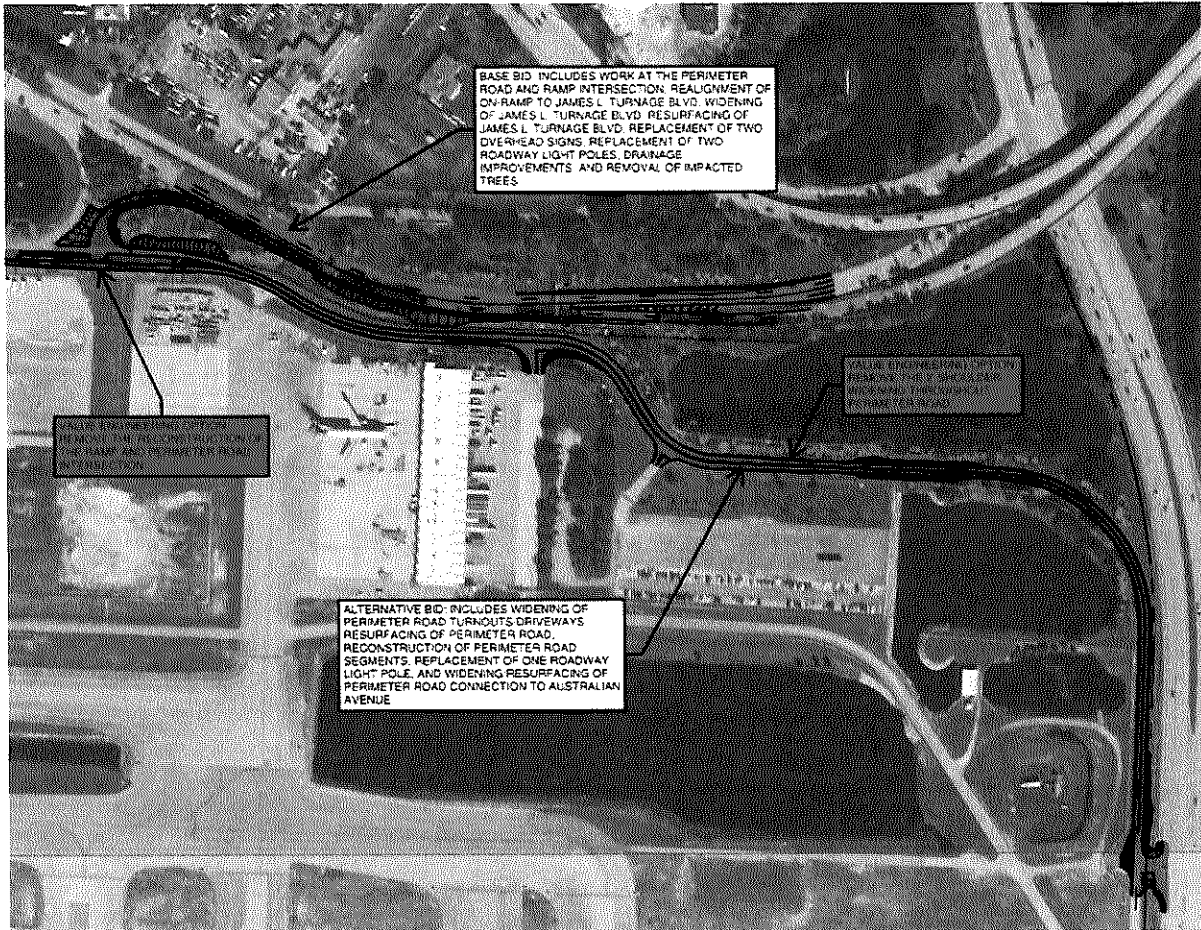


FIGURE 1: Depiction of Cargo Access Road Improvements.

The project phases shall consist of the following:

- Stormwater Bid Support
- Landscape Architecture Bid Support

PROJECT STAFFING

Our staff and team are ready and prepared to work on this project. Chen Moore staff project roles shall be as follows:

- Principal – Ben Lehr, P.E.
- Senior Project Manager – Brent Whitfield, P.E.
- Project Manager (LA) – Eric Harrison, PLA
- Senior Engineer – Cole Benjamin, P.E.
- Senior Designer (LA) – Brittany Bourgault
- Project Engineer – David Cowan, P.E.
- Staff Engineer – Darrell Carless

Subconsultants: N/A

SCOPE OF SERVICES

TASK 1.1 – Stormwater Bid Support

CMA will be responsible for reviewing and responding to questions from prospective bidders pertaining to stormwater. CMA shall be responsible for providing design updates related to the proposed stormwater system arising from bidder questions. This task includes updating the electronic drainage design files, as necessary, for inclusion on the plan sheets, by others. CMA will revise plan sheet elements related to the drainage design and will provide signed and sealed drainage plan sheets for inclusion in the bid package. CMA will review bids pertaining to stormwater and prepare a written evaluation, as needed.

TASK 1.2 – Landscape Architecture Bid Support

CMA will be responsible for reviewing and responding to questions from prospective bidders pertaining to Landscape Architecture. CMA shall be responsible for providing design updates related to the proposed Landscape Architecture design arising from bidder questions. This task includes updating the electronic design files, as necessary, for inclusion on the plan sheets, by others. CMA will revise plan sheet elements related to the Landscape Architecture design and will provide signed and sealed Landscape Architecture plan sheets for inclusion in the bid package. CMA will review bids pertaining to Landscape Architecture and prepare a written evaluation, as needed.

The basis for the above scope of services and associated fee(s) are based on the following:

- Stormwater Bid Support is inclusive of one round of inquiries from the Contractor up to a limit of three (3) associated responses.
- Landscape Architecture Bid Support is inclusive of one round of inquiries from the Contractor up to a limit of five (5) associated responses.
- Additional responses to inquiries above and beyond what is listed in this scope shall be rendered as an additional service.

SCHEDULE AND FEES

Consultant shall schedule work upon receipt of signed approval for this project as required. CMA will perform services as needed based on contractor bid questions. The total not-to-exceed fee for this project will be as follows. Rates will be as specified on the attached fee schedule.

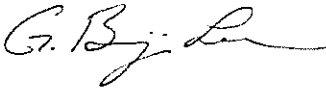
TASK(s)	Task Description	Lump Sum	Hourly	Total Fees
STORMWATER & LANDSCAPE ARCHITECTURE BID SUPPORT				
TASK 1.1	Stormwater Bid Support	-	\$4,993.62	\$4,993.62
TASK 1.2	Landscape Architecture Bid Support	-	\$4,937.32	\$4,937.32
PROJECT TOTAL				\$9,930.94

Should you have any questions, please do not hesitate to contact me at my office at +1 (813) 896-0286, my cell phone at +1 (904) 707-7724, or send me an electronic message at blehr@chenmoore.com.

500 S. Australian Ave., Suite 850
West Palm Beach, FL 33401
Office: +1 (561) 746-6900



Respectfully submitted,



Benjamin Lehr, PE, LEED AP
Director – Transportation
8/9/2024

Attachment(s): Fee Estimate

PBI Cargo Access Road - Bid Support Services
Fee Estimate

Chen Moore and Associates, Inc.

CMA Project No. 24-0965.P0001-004

Hourly Rate	Principal	Senior Project Manager	Project Manager Engineering	Senior Engineer	Project Engineer	Staff Engineer	Project Manager Landscape Arch	Senior Designer Landscape Arch	Designer Landscape Arch	Clerical	Total
	\$282.12	\$197.48	\$183.38	\$155.17	\$128.98	\$98.75	\$183.38	\$128.98	\$98.75	\$65.00	
TASK 1.1 – STORMWATER BID SUPPORT											
Plan Sheet Updates		2		6		4					\$2,031.32
Review Bids and Respond to Questions (up to 3 responses)		2		6							\$1,836.32
Coordination		2		6							\$1,325.98
Task 1.1 Total	0	6	0	22	0	4	0	0	0	0	\$4,993.62
TASK 1.2 – LANDSCAPE ARCHITECTURE BID SUPPORT											
Plan Sheet Updates							2	8	4		\$1,777.44
Review Bids and Respond to Questions (up to 5 responses)							2	8	4		\$1,777.44
Coordination							2	8			\$1,382.44
Task 1.2 Total	0	0	0	0	0	0	6	24	8	0	\$4,937.32
TOTAL FEES											\$9,930.94
TASK				Total Hrs/Task							Total \$/Task
TASK 1.1 – STORMWATER BID SUPPORT				32							\$4,993.62
TASK 1.2 – LANDSCAPE ARCHITECTURE BID SUPPORT				38							\$4,937.32
TOTAL				70							\$9,930.94



END OF EXHIBIT A



HDR
PROJECT PROPOSAL - PBI Cargo Access Bid Alt and VE

Scope / Task Title	Contract Rate	\$232.50	\$188.46	\$173.96	\$135.27	\$129.24	\$114.89	\$101.48	Total
	Sr. PM	PM	Civil Engineer	Jr. Civil Engineer	Engineering Intern	Accountant	Sr. Admin Assistant		
Reimbursables (Not to Exceed)									
Reproduction	# Drawings	# Pages	# Sets						
	@	@							
	\$ 1.00	\$ 0.20							
Phase 1A - Planning and Programming									\$ -
Phase 2 - Schematic Design									\$ -
Phase 3A - 60% Construction Documents									\$ -
Phase 3B - 90% Construction Documents									\$ -
Phase 3C - 100% Construction Documents	70	200	1						\$ 110.00
Phase 4 - Bidding and Award of Contract	70	200	1						\$ 110.00
Total Reproduction									\$ 220.00
Postage/Delivery	# Packages	# Packages							
	@	@							
	\$ -	\$ -							\$ -
Total Postage/Delivery	0	0							\$ -
Permitting									
Travel			Airfare @	Car @	Lodging @	Meals @	Parking		
	# People	# Days	\$ -	\$ 75.00	\$ -	\$ 40.00	\$ 20.00		
	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				\$ -					\$ -
Reimbursables (Not to Exceed)									\$220.00
Summary									
Phase 3C - 100% Construction Documents (Lump Sum)									\$26,769.34
Phase 4 Bidding and Award (Lump Sum)									\$12,137.39
Subconsultants (Lump Sum)									\$11,702.09
Reimbursables (Not to Exceed)									\$220.00
Total Basic Services Contract Value Task Authorization No. I-24-PBI-H-014 - PBI Cargo Access Bid Alt and VE									\$50,828.79

End of Exhibit B

EXHIBIT B: DETAILED FEES, EXPENSES AND PAYMENTS

EXHIBIT B-I: Summary of Fees

This Amendment No. 5 as described herein, consists of 1 task. As summarized below, these initial efforts have an overall budget of \$50,828.79.

LEVEL I TASKS:

TASK LEVEL / NO.	DESCRIPTION	LUMP SUM	REIMBURSABLE EXPENSES	TOTAL
I-24-PBI-H-014	PBI Cargo Access Improvements Bid Alternate and Value Engineering	\$50,608.79	\$220.00	\$50,828.79
GRAND TOTAL (AMENDMENT NO. 5)				\$50,828.79

EXHIBIT B-II: Schedule of Payments

The Scope of Work to be completed by CONSULTANT as defined in Exhibit "A" consist of specific completion phases which shall be clearly identified on phase-by-phase basis upon submission to the COUNTY of certain "deliverables"¹ as expressly indicated below. Compensation for the work tasks stated herein shall be in accordance with the following schedule of payment.

The following is a list of projects in the Work Program No.1: Amendment No. 5:

LEVEL I TASKS:

Task I-24-PBI-H-014	<u>PBI Cargo Access Improvements Bid Alternate and Value Engineering</u>
Duration:	90 Calendar Days
Compensation:	\$50,828.79

TOTAL = \$50,828.79

¹ "Deliverables" shall be defined as progress reports, prepared maps, bid documents, completed drawings, specific reports, work plans, documentation of meetings attended, assessment study reports, analysis reports, summary reports, recommendation reports and related draft reports and verifiable deliverables.

EXHIBIT C: PROPOSED SCHEDULES

Task I-24-PBI-H-014 **PBI Cargo Access Improvements Bid Alternate and Value Engineering**
Duration: 90 Calendar Days

Attachment No. 2
DBE Goal Information



EXHIBIT D – DISADVANTAGED BUSINESS ENTERPRISE COMPLIANCE

Table D-1 summarizes the estimated fee for each of HDR's team members that are certified DBE firms for Amendment 5.

Firm	Amendment 5 Totals	% of Amendment 5
Quantum Electrical Engineering	\$1,771.15	3%
TOTALS	\$1,771.15	3%

Table D-1: DBE Firms, Scheduled Payments, Scheduled % of Fee

THE REST OF THIS PAGE IS INTENTIONALLY LEFT BLANK.

Table D-2 summarizes the estimated fee for each of HDR's team members that are certified DBE firms for the Total Contract.

Firm	Base (R2019- 1157) Totals	Amendment 1 (R-2021- 1024) Totals	Amendment 2 (R-2022- 0574) Totals	Amendment 3 (R-2022- 0887) Totals	Amendment 4 (R-2024-0233) Totals
Tierra SF	\$51,397.33	\$0.00	\$32,455.00	\$16,218.00	\$0.00
Brown & Phillips	\$87,727.23	\$0.00	\$67,295.83	\$42,271.55	\$0.00
Quantum Electrical Engineering	\$0.00	\$0.00	\$42,322.64	\$11,451.86	\$20,371.02
Marlin Engineering	\$0.00	\$0.00	\$0.00	\$29,664.54	\$0.00
TOTALS	\$139,124.56	\$0.00	\$142,073.47	\$99,605.95	\$20,371.02

Firm	Task III-21-LNA-H- 001 RW Pvmnt Eval	Task III-22-PBI-H-008 PBI CAI Update	Task III-22-F45-H-009 RW 9R design update	Task III-23-LNA-H-010 RW 10- 28 Surface Treatment
Tierra SF	\$0.00	\$0.00	\$0.00	\$0.00
Brown & Phillips	\$0.00	\$0.00	\$0.00	\$0.00
Quantum Electrical Engineering	\$0.00	\$0.00	\$0.00	\$0.00
Marlin Engineering	\$0.00	\$0.00	\$0.00	\$0.00
TOTALS	\$0.00	\$0.00	\$0.00	\$0.00

Firm	Task III-23- LNA-H-011 LNA RW 10- 28 CA	Task I-24-PBI-H-014 - PBI Cargo Access Bid Alt and VE	Total Fees	% of Total Contract
Tierra SF	\$0.00	\$0.00	\$100,070.33	5%
Brown & Phillips	\$0.00	\$0.00	\$197,294.61	10%
Quantum Electrical Engineering	\$0.00	\$1,771.15	\$75,916.67	4%
Marlin Engineering	\$0.00	\$0.00	\$29,664.54	1%
TOTALS	\$0.00	\$1,771.15	\$402,946.15	20%

Table D-2 DBE Firms, Scheduled Payments, Scheduled % of Total Fee

**SCHEDULE 1(A)
LIST OF PROPOSED DBE FIRMS
(Professional Services)**

LOI/SOQ Project Description: Airport Civil Consulting Services for Palm Beach County Department of Airports

Name of Respondent: HDR Engineering, Inc.

Change Order/Task/Amendment No. (if applicable): Task No. III-24-PBI-H-014

Contact Person: Cody Parham

E-mail Address: cody.parham@hdrinc.com

Address: 1475 Centrepark Blvd, Suite 230, West Palm Beach, FL 33401

Phone No.: (561) 209-6641 Fax No.: (561) 209-6606

Name, Address & Phone No. of DBE Firm	Description of Type of Work	Classification (Check applicable box)	Percentage of DBE Participation			
			Black	Hispanic	Women	Other (Please Specify)
Quantum Electrical Engineering, Inc. 2755 Vista Pkwy - Suite I-9 West Palm Beach, FL 33411 (561) 210-9224	electrical engineering	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ 3 %	_____ %
		<input type="checkbox"/> Prime Consultant <input type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ %	_____ %
		<input type="checkbox"/> Prime Consultant <input type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ %	_____ %
		<input type="checkbox"/> Prime Consultant <input type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ %	_____ %

Total Percentage of DBE Participation: _____ 3 %

Notes:

- The percentages listed on this form for each DBE Firm must be supported by the percentages included on Schedule 2(A), "Letter of Intent to Perform as a Disadvantaged Business Enterprise", in order to be counted toward attainment of the DBE goal.
- Firms identified on this form must be certified as a DBE by the State of Florida's Unified Certification Program. Certification status can be verified on the Florida Department of Transportation's Biznet website at <https://www3.dot.state.fl.us/EqualOpportunityOffice/biznet/mainmenu.asp>.
- If materials or supplies are proposed to be purchased from a DBE regular dealer, the undersigned acknowledges that only sixty percent (60%) of the proposed expenditure will be counted toward attainment of the DBE goal.

By signing this form the undersigned Respondent is committing to utilize the above referenced DBE Firms on the Project and that the Respondent will monitor the DBE Firms to ensure that the work is actually performed by the by the DBE Firms.

By: *Cody Parham*
Signature

Date: 9/5/2024

Cody Parham, Project Manager
Print Name/Title of Person Executing on Behalf of the Respondent

EXHIBIT E

NONGOVERNMENTAL ENTITY HUMAN TRAFFICKING AFFIDAVIT
Section 787.06(13), Florida Statutes

THIS AFFIDAVIT MUST BE SIGNED AND NOTARIZED

I, the undersigned, am an officer or representative of HDR Engineering, Inc. (Consultant) and attest that Consultant does not use coercion for labor or services as defined in section 787.06, Florida Statutes.

Under penalty of perjury, I hereby declare and affirm that the above stated facts are true and correct.

Katie E. Duty
(signature of officer or representative)

Katie E. Duty, Vice President
(printed name and title of officer or representative)

State of Florida, County of Palm Beach HILLSBOROUGH

Sworn to and subscribed before me by means of physical presence or online notarization
this, 13TH day of September, by Katie E. Duty.

Personally known OR produced identification .

Type of identification produced _____.

Michelle J. Pardo
NOTARY PUBLIC Michelle J. Pardo
My Commission Expires: September 22, 2028
State of Florida at large



MICHELLE J. PARDO
Commission # HH586622
Expires September 22, 2028

(Notary Seal)