

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	\$457,561	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues (Grants)	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	<u>\$457,561</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 A367 Object 6504

Reporting Category _____

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

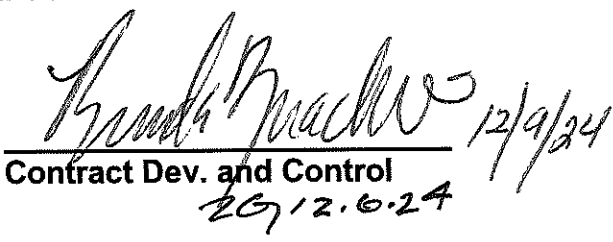
Approval of this Agenda Item will provide funds in the amount of \$457,560.56 for supplemental services for the Ramp Expansion Project. Grant reimbursements will be determined as invoices are received.

C. Departmental Fiscal Review: 

III. REVIEW COMMENTS

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

 OFMB JA 12/14
 KK 12/14

 12/9/24
 Contract Dev. and Control
 2024.12.6.24

B. Legal Sufficiency:

Anne Delmont 12-10-24
 Assistant County Attorney

C. Other Department Review:

 Department Director

Attachment No. 1

Amendment No. 6 with HDR
Engineering, Inc. – 2 Originals with
Contract History



**AMENDMENT NO. 6 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. 6 to the Contract is made as of the 7th day of January, 2025, 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, on November 19, 2024, the County entered into an Amendment No. 5 (R-2024-1556) 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

HDR ENGINEERING, INC.
DECEMBER 2024

AMENDMENT 6 TO R-2019-1157
CONTRACT FOR CONSULTING SERVICES

services, including any out of pocket expenses, shall not exceed Four Hundred Fifty-Seven Thousand, Five Hundred Sixty Dollars and 56 Cents (\$457,560.56) for the services in Amendment No. 6 to the original contract.

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 F, 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 Sixth 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: _____
Maria G. Marino, Mayor

WITNESS:
Pardo,
Michelle J.

SIGNATURE

Digitally signed by
Pardo, Michelle J
Date: 2024.11.19
19:05:00'

Michelle J. Pardo

Name (type or print)

CONSULTANT:
HDR Engineering, Inc.

COMPANY NAME

Digitally signed by Duty,
Katie E.
Date: 2024.11.19 13:06:18
-05'00'

Duty, Katie E.

Signature

Katie E. Duty

Name (type of print)

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

By: Anne Helgank
County Attorney

Vice President

Title

APPROVED AS TO TERMS
AND CONDITIONS

By: Lana Buba
Director of Airports



November 15, 2024

Palm Beach County Department of Airports
ATTN: Ms. Cynthia Portnoy, Deputy Director Planning & Development
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. 6 to Contract

Dear Ms. Portnoy:

HDR is pleased to submit for your review and approval the Amendment No. 6 for the Airport Civil Consulting Services Contract for the Palm Beach County Department of Airports. The proposed total professional fee is not to exceed \$457,560.56. The following support documents are included in this submittal:

- Certificate of Insurance
- General Exhibits, including:
 - Exhibit A – Amendment No. 6
 - Exhibit B - Detailed Fees, Expenses and Payments
 - Exhibit C - Proposed Schedules
 - Exhibit D - Disadvantaged Business Enterprise Compliance
 - Exhibit F - 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:
George Santos – PBCDOA
Will Bowdoin - HDR

hdrinc.com

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

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:

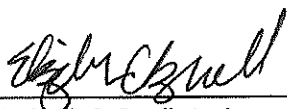
- . . . Stephen J. Ferrell – Senior Vice President . . .
- . . . Jennifer E. Hunt – Senior Vice President . . .
- . . . Chance V. Lauderdale – Senior Vice President . . .
- . . . Andrew E. Lauzier – Senior Vice President . . .
- . . . Harold E. Lewis, Jr. – Senior Vice President . . .
- . . . Kent L. 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.

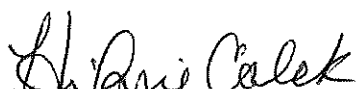



Elizabeth C. Buell, Assistant Secretary

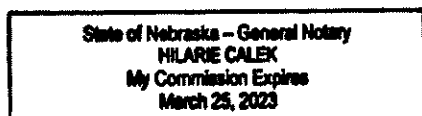
STATE OF NEBRASKA
COUNTY OF DOUGLAS

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



AMENDMENT NO. 6 INDEX

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 6

EXHIBIT A-1 – Task I-24-F45-H-016: Terminal Ramp Expansion Construction Services

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 F - NONGOVERNMENTAL ENTITY HUMAN TRAFFICKING AFFIDAVIT

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					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		
		A , XV	Lloyds Underwriters (Canada Branch)	P1001412400	6/1/2024	6/1/2025	Professional 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 :

From: customerservice@certsonline.com

To: ocsd@ebix.com

CC:

Subject: Upload Via Web

Date: 06-11-2024

Attachment(s):PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS.pdf

Client Name: Orange County Sanitation District; Vendor Number: O500000281; Vendor Name:
; Document Uploaded By: ; Date Uploaded: 6/11/2024 3:09:40 PM ; Comment: N/A

This endorsement, effective: 06/01/2024 - 06/01/2025

Forms a part of policy no.: P1001412400

Issued to: HDR Engineering, Inc.

By: Lloyd's of London

NOTICE OF CANCELLATION TO CERTIFICATE HOLDERS ENDORSEMENT

Except respect cancellation non-payment premium (10 day notice cancellation), the **Insurer** shall give 30 day notice cancellation the Certificate Holder(s) set forth herein, provided that:

The **First Named Insured** is required by contract give notice cancellation the Certificate Holder, and

Prior the **Insurer** sending notice cancellation the **First Named Insured** the **First Named Insured** shall provide the **Insurer** in writing, either directly or through the **First Named Insured** broker record, the name each person or organization requiring notice cancellation and the corresponding address such person or other employee responsible receipt of notice of cancellation on behalf of such organization.

Notice cancellation be sent in accordance the terms and conditions the policy, except that the **Insurer** may provide written notice individually or collectively the Certificate Holders by email at the current email address given by the **First Named Insured** Proof sending the notice of cancellation by email shall be sufficient proof of notice.

Any failure provide notice cancellation the Certificate Holder due inaccurate or incomplete information provided by the **First Named Insured** shall remain the sole responsibility the **First Named Insured**

The following definitions apply to this endorsement:

1. **First Named Insured** means the Named Insured shown in Item 1. of Declarations.
2. **Insurer** means the insurance company shown in the header on the Declarations.

All other terms and conditions of the policy remain the same

EXHIBIT A: AMENDMENT NO. 5

This Amendment No. 6 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. The Airport has requested that HDR (Consultant), under the Agreement, provide a scope and fee for additional services needed to continue performance of on-going services related to tasks authorized prior to expiration of contract.

CERTIFICATE OF INSURANCE

EXHIBIT A: AMENDMENT NO. 6

EXHIBIT A-1 – Task I-24-F45-H-015: Terminal Ramp Expansion Construction Services

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 F - NONGOVERNMENTAL ENTITY HUMAN TRAFFICKING AFFIDAVIT

EXHIBIT A-1 – Task I-24-F45-H-015: Terminal Ramp Expansion Construction Services

Palm Beach County Department of Airports



Airport Civil Consulting Services

Task Authorization No. I-24-F45-H-015

North Palm Beach County General Aviation Airport (F45)

Terminal Ramp Expansion Construction Services



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

December 2024



- Quality assurance
 - Generally described as the procedures performed on behalf of the PBCDOA to fulfill the PBCDOA's responsibility to monitor that construction work completed complies with specifications for acceptance.
- Resident Project Representative (RPR)
 - Generally described as the firm(s) duly authorized by the PBCDOA to be responsible for inspections, observations, tests, and/or observations of tests of the contract work performed or being performed, or of the materials furnished by the Contractor, and acting directly or through an authorized representative.
 - Full-time on site RPR during construction
 - Part-time as needed on site RPR prior to mobilization and after substantial completion

1. Phase 1A: Planning and Programming

This phase is not a 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

This phase is not part of this proposal.

7. Phase 4: Bidding and Award of Contract

This phase is not part of this proposal.

8. Phase 5: Construction Administration Services

Task 1 Resident Project Representative (Time and Materials, Not to Exceed)

1. Resident Project Representative (RPR). CONSULTANT will provide the services of an RPR at the Site to provide observation of Contractor's work. CONSULTANT will provide the services of a senior RPR to monitor written communications, attend meetings, and issue records of decision. The CONSULTANT shall provide daily observation reports to the PBCDOA.

1. The CONSULTANT shall provide an on-site RPR for the periods shown in Table 1.

Table 1 RPR Hours by Phase

Firm	Pre-Construction RPR	Construction RPR	Post-Construction RPR
CRJ	1 x 8 hrs/wk (9 weeks)	1 x 50 hrs/wk (16 weeks)	1 x 40 hrs/wk (7 weeks)
CMA	--	1 x 8 hrs/wk (11 weeks)	--
QEE	1 x 4 hrs/wk (9 weeks)	1 x 8 hrs/wk (16 weeks)	1 x 4 hrs/wk (7 weeks)
HDR	1 x 4 hrs/wk (9 weeks)	1 x 8 hrs/wk (16 weeks)	1 x 8 hrs/wk (7 weeks)

2. The CONSULTANT shall prepare agendas, attend, and issue notes for up to 31 weekly construction progress meetings.
3. Change Proposals and Claims: CONSULTANT will review and respond to up to 5 Change Proposals. CONSULTANT will review each duly submitted Change Proposal from Contractor and recommend



- either denying the Change Proposal in whole, recommend approving it in whole, or recommend denying it in part and approving it in part. CONSULTANT shall maintain a tracking log of change proposal status.
4. The CONSULTANT shall review the following technical specification submittals for compliance with the contract documents as a supplement to the EOR's review.
 1. Contractor Quality Control Plan
 2. Safety Plan Compliance Document
 3. Asphalt Job Mix Formula
 4. Asphalt Laydown/Lighting Plan
 5. Inspections and Tests
 1. Schedule, perform, and review PBCDOA's quality assurance inspection and testing as described in the technical specifications. Performance of tests and inspections work to be performed by SUBCONSULTANT TSF.
 2. Through subconsultant TSF, perform geotechnical investigations for unforeseen field conditions during construction
 - o 2 asphalt pavement cores, including through the base course
 - o 2 SPT borings to 10-ft depth
 - o 1 soil sieve analyses
 - o 1 organic content tests
 3. Receive and review certificates of inspections, tests, and approvals required by the Construction Contract Documents. CONSULTANT's review of such certificates will be for the purpose of determining that the results certified indicate compliance with the Construction Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the requirements of the Construction Contract Documents. RPR shall be entitled to rely on the results of such inspections and tests.
 6. The CONSULTANT will review up to 8 contractor pay applications and recommend either rejection, approval, or partial approval to the PBCDOA.
 1. CONSULTANT will track quantities of work performed on a daily basis and reconcile quantities with the contractor on a weekly basis.
 7. After notice from Contractor that Contractor considers the entire work ready for its intended use, in company with PBCDOA, EOR, and Contractor, visit the site to review the work and determine the status of completion. The CONSULTANT shall perform a substantial completion site visit review and provide a punch list of open items for the contractor to address for each phase of work and at the end of the construction phases. CONSULTANT will incorporate the PBCDOA's and EOR's punch list items into the master punch list. CONSULTANT will recommend to the PBCDOA on what date the substantial completion notice should be recorded.
 8. The CONSULTANT shall perform a final completion site visit to observe the contractor's work to address the punch list. CONSULTANT will recommend to the PBCDOA on what date the final completion notice should be recorded.
 9. Subconsultants shall provide specific RPR duties in accordance with Table 1.
 1. QEE shall provide a part-time RPR for electrical work.
 2. CRJ shall provide a daily on site civil RPR.
 3. CMA shall provide RPR for work involving stormwater conveyances.
 4. HDR shall provide a part-time senior RPR for critical work periods, such as control strips, unforeseen field conditions, and phase completion punchlist development.
 10. Weather Days. Consultant shall record the weather each day in the RPR reports, and advise what activities were affected and for how long. Consultant shall keep a log of contractor's weather day delay requests and provide recommendations to the DOA to accept or reject each day requested.



11. Meeting participation
 1. SRM panel attendance and presentation of construction phasing
 2. Pre-construction conference - attendance
 3. Up to 31 progress meetings
12. Noncompliance and Safety Incidents. Consultant will issue notices of noncompliance and safety incidents and track contractor's cure efforts.

Task 2 Construction Administration (Lump Sum)

1. Construction Management Plan. Consultant shall develop a construction management plan per the requirements of FAA AC 150/5370-12B 'Quality Management for Federally Funded Airport Construction Projects'. Consultant will submit a draft document to the DOA for review and respond to 1 round of comments with a final document.
2. FAA Forms
 1. Consultant shall submit FAA Form 7460-1 'Notice of Proposed Construction' for permanent facilities via the OE/AAA portal.
 2. Consultant shall submit FAA Form 7460-1 'Notice of Proposed Construction' for temporary construction via the OE/AAA portal.
 3. The CONSULTANT shall submit Form 7460-2 'Notice of Actual Construction' for permanent facilities via the OE/AAA portal.
3. Meetings
 1. Consultant shall attend the preconstruction meeting.
 2. Consultant shall attend up to 31 weekly construction meetings starting at NTP and completing at final completion
 3. Consultant shall attend up to 8 monthly stakeholder outreach meetings, held virtually
 4. Consultant shall host up to 31 weekly design team internal preparation meetings to coordinate open action items and prepare for the weekly construction meetings.
4. Contract documents. Maintain the current record version of the contract documents throughout the construction phase.
5. Submittal Review. The CONSULTANT shall review Front End and tech spec submittals for compliance with the contract documents. Consultant shall provide a tracking log for anticipated submittals to the contractor for reference in making the contractor's own log.
6. Construction Schedule. CONSULTANT shall review the contractor's baseline schedule and weekly two-week look ahead schedule for the duration of active construction and advise the DOA of potential conflicts or delays anticipated.
7. Control strips. EOR or their designate will attend control strips for the materials as required in the technical specifications. Consultant will issue reports for each control strip advising if the strip passed or failed.
8. Asbuilt review
 1. Consultant will review contractor-submitted asbuilts, per phase, for:
 - o Pavement layers, from subgrade to surface course, for conformance with grading tolerances
 - o Graded areas for earthwork quantity calculations
 - o Drainage structures and pipes
9. RFIs. Consultant shall accept from Contractor and Owner submittal of matters concerning the requirements of the Construction Contract Documents (sometimes referred to as requests for information—RFIs), or relating to the acceptability of the Work under the Construction Contract Documents. Within 2 weeks, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Construction Contract Documents for up to 10 RFIs. CONSULTANT shall maintain a tracking log of RFI status.
10. Field instructions. Consultant will issue up to 10 field instructions clarifying or interpreting the work required that results in no change to cost or schedule.
11. Field bulletins. Consultant will issue up to 5 field bulletins depicting minor modifications to the work which may result in changes to project cost or schedule.
12. Change Proposals and Claims: CONSULTANT will review and respond to up to 5 Change Proposals. CONSULTANT will review each duly submitted Change Proposal from Contractor and recommend either denying the Change Proposal in whole, recommend approving it in whole, or recommend



- denying it in part and approving it in part. CONSULTANT shall maintain a tracking log of change proposal status.
13. Substitution request evaluation. CONSULTANT shall evaluate contractor's request to substitute or make minor modifications to up to 4 components of the contract scope.
 14. Phasing Coordination. Consultant shall perform the following activities for each phase transition, up to 4 phases.
 1. Solicit contractor's anticipated phase start date.
 2. Develop a written phase commencement request to DOA Operations, detailing the work to be done, the work areas and times, anticipated closures of facilities required, and suggested MOT exhibit.
 3. Coordinate phase area, work dates/times, etc. minor adjustments between DOA Operations and the Contractor, with up to 1 in-person meeting per phase anticipated.
 15. Review and document QA and acceptance tests. CONSULTANT shall review quality assurance and materials acceptance testing for compliance with the contract documents and notify the contractor of work that does not meet the contract requirements. CONSULTANT shall document testing results and submit to the DOA at the completion of construction.
 16. Contractor Pay Applications. The CONSULTANT will review up to 8 contractor pay applications and recommend either rejection, approval, or partial approval to the COUNTY.
 1. Financial reporting. Consultant shall provide monthly breakdowns of value of work completed for each project funding source and work component, based on the approved contractor invoice amount.
 2. The CONSULTANT will provide up to 8 monthly DBE status monitoring reports.
 3. The CONSULTANT will submit each contractor pay application as a package with associated review memo.
 17. Substantial Completion. After notice from Contractor that Contractor considers the entire work ready for its intended use, in company with COUNTY and Contractor, visit the site to review the work and determine the status of completion. The CONSULTANT shall perform a substantial completion site visit review and provide a punch list of open items for the contractor to address for each phase of work and at the end of the construction phases. CONSULTANT will incorporate the COUNTY's and EOR's punch list items into the master punch list. CONSULTANT will recommend to the COUNTY on what date the substantial completion notice should be recorded. Substantial completion activities shall be performed for 4 phases of work.
 18. Final Completion. The CONSULTANT shall perform a final completion site visit to observe the contractor's work to address the punch list. CONSULTANT will recommend to the COUNTY on what date the final completion notice should be recorded.
 19. Maintenance Guidance. Upon issuance of the substantial completion notice, CONSULTANT shall provide maintenance checklists and schedules for materials and equipment installed under the project.
 20. Contractor's Completion Documents. CONSULTANT will receive from Contractor, review, and transmit to Owner maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance required by the Construction Contract Documents, certificates of inspection, tests and approvals. CONSULTANT will receive from Contractor, review, and transmit to Owner the annotated record documents which are to be assembled by Contractor in accordance with the Construction Contract Documents to obtain final payment. The extent of CONSULTANT's review of record documents shall be to check that Contractor has submitted the information required by the contract documents.
 21. The CONSULTANT shall provide engineer's certification to funding sources and permitting authorities.



Project Schedule

The schedule of CONSULTANT'S services shall follow the construction schedule.

TASKS 1 AND 2 RPR AND CONSTRUCTION ADMINISTRATION

The anticipated construction schedule is as follows:

- 60 calendar days / 9 weeks / 2 months mobilization period from NTP to start of field work
 - Preconstruction services are based on this duration
- 114 calendar days / 16 weeks / 4 months from start of field work to substantial completion
 - RPR and CA services are based on this duration
- 45 calendar days / 7 weeks / 2 months from substantial completion to final completion
 - RPR and CA services are based on this duration
 - Substantial completion and final completion services are based on this duration
- 219 days / 31 weeks / 8 months from NTP to final completion

CONSTRUCTION PHASING

Construction Phase	Duration (Calendar Days)	Work Hours
Pre-Construction	60	
Mobilization	60	N/A
Construction	114	
Work Area 1	100	7am – 5pm, M-F
Work Area 2	29 (within Work Area 1)	7am – 5pm, M-F
Work Area 3	33 (within Work Area 1)	7am – 5pm, M-F
Work Area 4	14	7am – 5pm, M-F
Post-Construction	45	
Substantial Completion	45	7am – 5pm, M-F
Total	219	



Summary of Deliverables

Table 2 Deliverables by Phase

Task	Deliverables
Task 1 RPR	<ul style="list-style-type: none"> • Daily RPR Reports • Quality assurance inspections and test reports • Change Order recommendations to the construction administrator • Pay Application recommendations to the construction administrator • Recommendation of substantial completion and punchlist items to the construction administrator • Recommendation of final completion • All submittals in PDF format unless noted
Task 2 Construction Administration	<ul style="list-style-type: none"> • Construction management plan • Meeting agendas and notes • Logs <ul style="list-style-type: none"> ○ Submittals ○ Field instructions ○ Field bulletins ○ RFI ○ Weather day requests ○ Asbuilts ○ Change order requests ○ Change orders ○ Contractor claims ○ Noncompliance ○ Safety incidents ○ Substantial completions by phase • Airfield status exhibits • RFI responses • Submittal responses • Change Order recommendations • Pay Application recommendations • Recommendation of substantial completion and punchlist • Recommendation of final completion • Maintenance guidance memo • Engineer's certification to funding agencies • All submittals in PDF format unless noted

Team Roles

Table 3 Team Roles

Firm	Description
HDR	<ul style="list-style-type: none"> • Project management • Construction administration services • RPR – Critical project phases
CMA	<ul style="list-style-type: none"> • Construction administration services for drainage • RPR – Drainage
CRJ*	<ul style="list-style-type: none"> • RPR – Primary
QEE*	<ul style="list-style-type: none"> • Construction administration services for electrical • RPR - Electrical
TSF*	<ul style="list-style-type: none"> • Quality assurance construction materials testing

*DBE Firm



ASSUMPTIONS

- If construction extends beyond the timeframe stated in this Task Order, additional services may be required.
- Consultant's observation or monitoring portions of the work performed under construction contracts shall not relieve construction contractor(s) from responsibility for performing work in accordance with applicable contract documents. Consultant shall not control or have charge of, and shall not be responsible for, construction means, methods, techniques, sequences, procedures of construction, health or safety programs or precautions connected with the work and shall not manage, supervise, control or have charge of construction. Consultant shall not be responsible for the acts or omissions of construction contractor(s) or other parties on the project.
- 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.

EXCLUSIONS

- Wildlife survey, permitting, and mitigation



Subconsultant Contract

Chen Moore & Associates

October 16, 2024

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

Mr. Cody Parham
HDR
1475 Centrepark Blvd., Suite 230
West Palm Beach, FL 33401
561-209-6641

**Subject: F45 Terminal Ramp Improvements
Civil Engineering Construction Engineering and Inspection Phase Scope of Services
CMA Proposal No. 24-0065.P0001-002**

Dear Mr. Parham,

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 drainage and permitting services for the referenced project.

PROJECT INTRODUCTION

The Palm Beach County (COUNTY) Department of Airports (DOA) North Palm Beach County General Aviation Airport (F45) is designated as a reliever for Palm Beach International (PBI) and serves helicopters, reciprocating engine aircraft, and jet aircraft. The existing apron is situated east of Runway 14-32, north of Runway 9R-27L and adjacent to the FBO terminal building and hangars. The apron currently provides approximately 82 tie-down spaces over an aircraft parking area of approximately 40,550 square yards. The existing apron has 34 tie-down spaces sized for small single engine aircraft and 48 tie-down spaces sized for multi-engine aircraft. In addition to the aircraft tie-down locations, the apron provides two parking positions for helicopters.

The 2006 Airport Master Plan Update (MPU) and the 2018 draft Activity Demand Projections report both forecast increased demand for parking on the terminal apron. Historically, airplane design group (ADG) I aircraft have comprised most of the parked fleet at F45. In the future, ADG II aircraft are projected to become a larger portion of the fleet with the anticipated extension of Runway 14-32. The COUNTY completed a study in 2020 to evaluate ramp expansion layout alternatives to meet the increase in parking demand and up-gauging of the fleet.

The alternatives evaluated 3 development scenarios:

1. Runway 14-32 existing alignment and existing Runway Design Code B-II
2. Runway 14-32 existing alignment and upgraded Runway Design Code C-II
3. Runway 14-32 shifted 60 feet further from the ramp and upgraded Runway Design Code C-II

Alternative 3 was selected as the preferred alternative for its maximization of ramp space and because it was the mostly likely outcome of the Runway 14-32 Extension Environmental Assessment. Figure 1 shows the preferred alternative 3 ramp expansion recommended in the study.

After moving through design it was determined that the project cost needed to be reduced and a value engineering study was completed. CMA's understanding of the Stormwater scope as a result of the value engineering study has been reduced to the area depicted in Figure 2.

The COUNTY had its consultant team, led by HDR proceed with design and production of construction documents for the ramp expansion in general compliance with recently value engineered alternative.

The project is now moving into construction and CMA is being asked to provide construction engineering and inspection support services for the stormwater related components of the project.

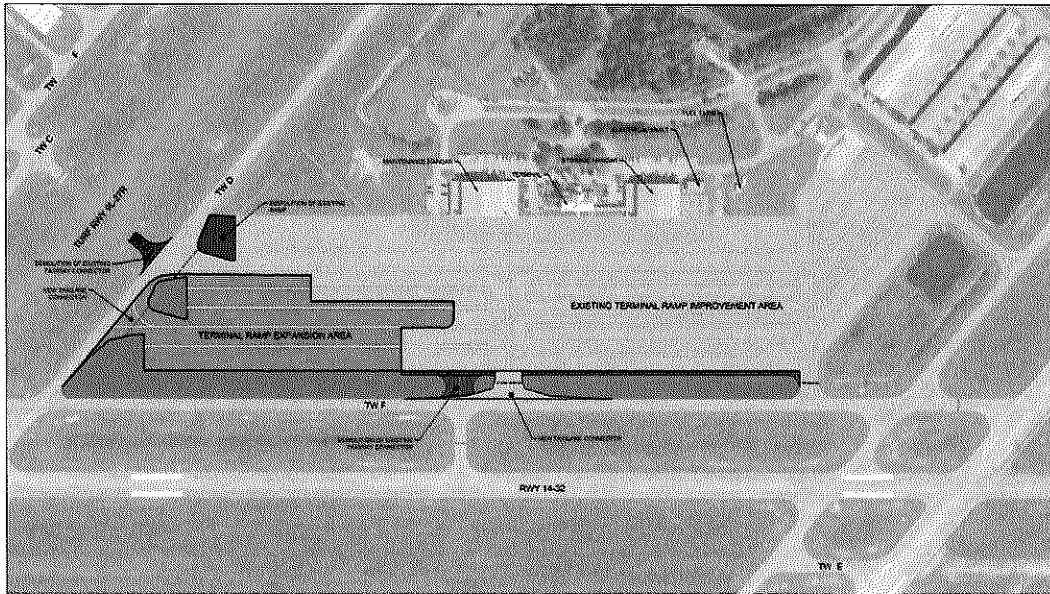


FIGURE 1: Original Depiction of Cargo Access Road Improvements.

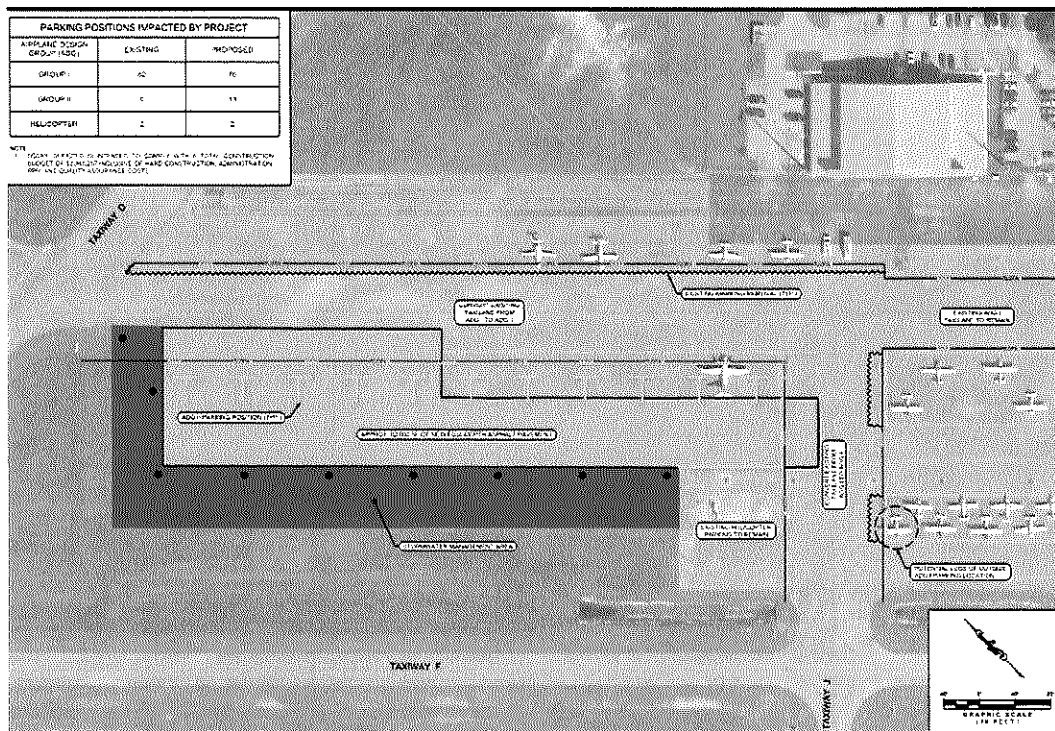


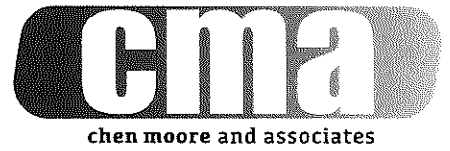
FIGURE 2: Depiction of Revised Stormwater Management Area per Value Engineering Evaluation

The project phases shall consist of the following:

- Stormwater CE&I

PROJECT STAFFING

CMA Proposal No. 24-0065.P0001-002



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

- Senior Project Manager – Brent Whitfield, P.E.
- Senior Engineer – Cole Benjamin, P.E.
- Senior Inspector – Matthew O’Rourke

Subconsultants: N/A

SCOPE OF SERVICES

TASK 1.1 – Engineering and Construction Support for Stormwater

CMA shall be responsible for the site inspection of the stormwater improvements included as part of the final design for the F45 Terminal Ramp Improvements project consisting of minor stormwater structure modifications, pipe culvert installation, and swale grading. It is anticipated that CMA’s onsite work is assumed to be in total of 11 days of field observation and will consist of site visits for material delivery, dewatering inspections, stormwater infrastructure installation, substantial completion walk through, and final completion walk through. CMA anticipates the review and approval of ten (10) shop drawing submittals as part of this scope. CMA anticipates the review and response to four (4) RFIs as part of this scope. CMA assumes that these RFIs will not result in the need to issue a plan revision to the design plans and any approved modifications can be handled through the as-built documentation process.

SCHEDULE AND FEES

Consultant shall schedule work upon receipt of signed approval for this project as required. Per discussions with your team, the goal is to provide on-site field inspection services as needed based on the contractor’s schedule. The total not-to-exceed fee for this project will be as follows:

TASK(s)	Task Description	Lump Sum	Hourly	Total Fees
WATER RESOURCES ENGINEERING AND STORMWATER PERMITTING				
TASK 1.1	Engineering and Construction Support for Stormwater	-	\$22,457.56	\$22,457.56
Direct Expenses		-	-	\$800.00
PROJECT TOTAL				\$23,257.56

Should you have any questions, please do not hesitate to contact me at my office at +1 (561) 746-6900, my cell phone at +1 (904) 707-7724, or send me an electronic message at blehr@chenmoore.com.

Respectfully submitted,

Benjamin Lehr, PE, LEED AP
 Director – Transportation
 10/16/2024

Attachment(s):

Fee Estimate

CMA Proposal No. 24-0065.P0001-002

**ATTACHMENT - FEE BREAKDOWN
BUDGET SUMMARY**

Owner:	<u>Palm Beach County Department of Airports</u>
Prime Consultant:	<u>HDR</u>
Subconsultant:	<u>Chen Moore and Associates, Inc.</u>
Project Name:	<u>Engineering and Construction Services for F45 Terminal Ramp Improvements</u>

		CMA				CMA Total Hours	CMA Total Costs
		Senior Project Manager	Senior Engineer	Senior Inspector	Admin Assistant		
Labor Rates		\$197.48	\$155.17	\$126.96	\$84.64		
Task 1	Engineering and Construction Inspection Support						
1.1	Engineering and Construction Support for Stormwater	12	28	116	12	168	\$ 22,457.56
Task 1 - Engineering and Construction Inspection Support		12	28	116	12	168	\$ 22,457.56
Labor Subtotal Hours		12	28	116	12	168	
Labor Rates		\$197.48	\$155.17	\$126.96	\$84.64		
Labor Sub Total		\$2,369.76	\$4,344.76	\$14,727.36	\$1,015.68		\$22,457.56
Total Direct Expenses							\$ 800.00
Project Total							\$ 23,257.56



Subconsultant Contract

CRJ & Associates



Monday, October 7, 2024

HDR, Inc.
 Attn.: Cody Parham, P.E., Project Manager
 1475 Centrepark Boulevard – Suite 230
 West Palm Beach, FL 33401-7412
 [P] (561) 209-6641
 [C] (678) 617-6958
 [E] Cody.Parham@hdrinc.com

**RE: Scope and Fee Letter Format for Construction RPR Services
 North Palm Beach County General Aviation Airport (F45)
 Terminal Ramp Expansion
 PBCDOA Bid No. NC 24-33
 PBCDOA Task Authorization No. I-24-F45-H-0XX**

Mr. Cody Parham, P.E., Project Manager:

CRJ & Associates, Inc. (CRJ) is pleased to have the opportunity to present our Scope and Fees to perform construction services for PBCDOA’s North Palm Beach County General Aviation Airport (F45) Terminal Ramp Expansion. In review of the documents provided to CRJ via email on Thu 09/26/2024 at 4:55pm, our firm has generated this Scope and Fee Proposal; CRJ received the BID SET dated September 2024 for the Project. As identified within the HDR Exhibit ‘A’ and in review of the BID SET Construction Documents (CDs), CRJ was provided the following information from Exhibit ‘A’, Table 1 RPR Hours:

Table 1 RPR Hours by Phase (HDR’s Exhibit ‘A’) for Terminal Ramp Expansion Construction Services

Firm	Task 1 Pre-Construction RPR	Task 2 Construction RPR	Task 3 Post-Construction RPR
CRJ	1 x 8 hrs/wk (9 weeks) Task 1 = 72 hours	1 x 50 hrs/wk (16 weeks) Task 2 = 800 hours	1 x 40 hrs/wk (7 weeks) Task 3 = 280 hours

Phase 5: Construction Administration Services

CRJ’s role will be, as indicated in Exhibit ‘A’: 9.2 CRJ will provide daily on site civil RPR based on the hours shown in Table 1. CRJ has prepared our fees within the attached *EXHIBIT 1: Construction Administration Services*. CRJ’s Time and Materials, Not-to-Exceed Fees:

Description	Time & Materials
TASK 1 – PRE-CONSTRUCTION RPR (9-Weeks); 72 hours	\$10,296.00
TASK 2 – CONSTRUCTION RPR (16-Weeks); 800 hours	\$99,200.00
TASK 3 – POST-CONSTRUCTION RPR (7-Weeks); 280 hours	\$40,040.00
REIMBURSEMENT per FS 112.061 [\$0.445/Mile]	\$10,680.00
Total Time & Materials Not-to-Exceed =	\$160,216.00

If you have any questions or concerns regarding this proposal, please do not hesitate to contact me via email or mobile (954) 650-5335. CRJ looks forward to collaborating with your firm on



CRJ & Associates, Inc.

Consulting Engineers and Planners

2699 Stirling Road, Suite B-201
Fort Lauderdale, Florida 33312
954.239.4330 Tel
www.crjassociates.com

this effort at North Palm Beach County General Aviation Airport (F45) and meeting the anticipated 219-calendar day schedule.

Sincerely,

CRJ & ASSOCIATES, INC.

Marc A. Fermanian, MSCE, P.E. – President
Professional Engineer #52626

Attachment:

EXHIBIT 1: Construction Administration Services – F45 RAMP; dated 10/07/2024

EXHIBIT 2: Rate Sheet

EXHIBIT 1: Construction Administration Services F45 RAMP

CRJ shall providing: Senior Field RPR P.E. (CIS) and Senior Site Inspector - Aviation (CIS)



CRJ & Associates, Inc.

Consulting Engineers and Planners

PROFESSIONAL SERVICE FEES

Prepared for: HDR, Inc.

NORTH PALM BEACH COUNTY GENERAL AVIATION AIRPORT (F45) - TERMINAL RAMP EXPANSION (Construction RPR Services)

PBCDOA Bid No. NC 24-33

PBCDOA Project No: I-24-F45-H-0XX

Palm Beach County Dept. of Airports (PBCDOA)

PROJECT LOCATION:

PROJECT NUMBER:

CRJ Consulting Fee Estimate for Civil Engineering Services for RPR

Date: Mon 09/30/2024

CRJ & Associates, Inc. Max. Billing Rates w/ 2.70 Multiplier

North Palm Beach General Aviation Airport (F45)
I-22-F45-H-005
160,216.00

PROFESSIONAL SERVICE FEES				
Description	1	2	Total Hours	Total Cost
	Senior Field RPR P.E. (CIS) \$143.00	Senior Site Inspector - Aviation (CIS) \$124.00		
TASK 1 – PRE-CONSTRUCTION RPR (9-Weeks)				\$ 10,296.00
Task 1.1 Set-Up Filing Directories: Project Logs, DAILY REPORT files, Pay Item Tracking (41 Bid Items); Permit	12	0	12	\$ 1,716.00
Task 1.2 Review of Technical Specs. & BID SET, Bid Tab, CSPP & SPCD, Contractor Q/C Plan, Safety Plan, et	10	0	10	\$ 1,430.00
Task 1.3 Coordination with Q/A Lab (Tierra SF), Plant Inspection, PWLs, Soil Sampling, Density Testing, etc.	10	0	10	\$ 1,430.00
Task 1.4 Review and Tracking of Addendum(s), Shop Drawings, RFIs, review of Contractor Const. Schedule	10	0	10	\$ 1,430.00
Task 1.5 Project Meetings: 31 Weekly Const. Meeting(s); 8 Pay Apps. Rev'w	30	0	30	\$ 4,290.00
sub-total	72	0	72	\$ 10,296.00
TASK 2 – CONSTRUCTION RPR (16-Weeks)				\$ 99,200.00
Task 2.1 Full-time On Site RPR Construction Observation and DAILY REPORTS to A/E and PBCDOA	0	800	800	\$ 99,200.00
sub-total	0	800	800	\$ 99,200.00
TASK 3 – POST-CONSTRUCTION RPR (7-Weeks)				\$ 40,040.00
Task 3.1 Project Substantial Completion Punch List and Walk-Through	20	0	20	\$ 2,860.00
Task 3.2 Maintain Contract Documents, Record Revisions, Rev'w 2-Week Look Ahead, Q/A Reporting reviews	80	0	80	\$ 11,440.00
Task 3.3 Contractor's Completion Documents: O&M Manuals, As-Builts, Guarantees, Release of Liens, etc.	80	0	80	\$ 11,440.00
Task 3.4 Compliance Contract Closeout, Project Records Docs, Warranties/Bolds	60	0	60	\$ 8,580.00
Task 3.5 Final Pay Application for Release of Retainage; Project Closeout Affidavit from RPR	40	0	40	\$ 5,720.00
sub-total	280	0	280	\$ 40,040.00
TOTAL HOURS	352	800	1152	
TOTAL LABOR COST	\$50,336.00	\$99,200.00		\$ 149,536.00

TOTAL LABOR COST	\$	149,536.00
REIMBURSEMENT TRAVEL per FS 112.061 filed in FDOT Form 300-000-06 [\$0.445/Mile]	\$	10,680.00
LABOR COST + REIMBURSEMENT	\$	160,216.00
TOTAL TIME & MATERIALS BUDGET NOT-TO-EXCEED FEES (219-Calendar Day Duration)	\$	160,216.00

EXHIBIT 2 - RATE SHEET

SALARY COSTS—CIVIL ENGINEERING SERVICES
MAXIMUM BILLING RATES



The following rates are the maximum rates that may be charged for various employee titles and grades. These rates include the adjustments made by Contract Agreement. For fees based on time charges, the actual rates for each employee will be used. During the multi-year contract, these maximum rates may be adjusted by mutual agreement between the County and HDR, but not sooner than 12 months from the date this Amendment is executed.

Profit calculation formula: Profit = (Raw Salary + Overhead + Fringe) x (% Profit)

Overall multiplier calculation formula: Multiplier = Total Hourly Rate / Raw Salary

COMPANY: CRJ & ASSOCIATES, INC.						
Employee Title	Grade	Maximum Raw Salary \$/Hour	Overhead 114.13% \$/Hour	Fringe 25.92% \$/Hour	Profit 12.50% \$/Hour	Total Hourly Rate \$/Hour
Principal		\$81.73	\$93.28	\$21.18	\$24.52	\$221.00
Engineer (+20-years Professional Eng.)		\$74.52	\$85.05	\$19.32	\$22.36	\$201.00
Staff Engineer / Design Professional (P.E.)		\$70.67	\$80.66	\$18.32	\$21.21	\$191.00
IT Specialist / Designer (CAD)		\$64.33	\$73.42	\$16.67	\$19.30	\$174.00
Senior Field RPR Professional Eng. (CIS)		\$52.88	\$60.35	\$13.71	\$15.87	\$143.00
Senior Field Site Inspector - Aviation (CIS)		\$45.91	\$52.40	\$11.90	\$13.78	\$124.00
Senior Admin Assistant		\$43.27	\$49.38	\$11.22	\$12.98	\$117.00
Overall Multiplier =						2.70

*CRJ's Direct Labor, Fringe Benefits and General Overhead were compiled by an Independent Auditors' Report dated May 11, 2023. The CRJ Raw Salary Rates generated from 2023 Payroll Summary. *Total Hourly Rate \$/Hour rounded to the nearest dollar value per request of HDR, Inc. (Prime Consultant).*

10/7/2024

Signature

Marc A. Fermanian, MSCE, P.E. - President

Print Name



Subconsultant Contract
Quantum Electrical Engineering

October 10, 2024

Mr. Cody Parham, PE
HDR, Inc.
1475 Centrepark Boulevard – Suite 230
West Palm Beach, FL 33401-7412

Subject: Electrical Construction Services (CA) Fee Proposal for the North Palm Beach County General Aviation Airport (F45) Ramp Expansion Construction Services.

Dear Cody:

Quantum Electrical Engineering, Inc. (QUANTUM) is pleased to provide HDR a construction services fee proposal for the North Palm Beach County General Aviation Airport (F45) Runway Ramp Expansion Construction Services. This proposal is based on a total construction duration of 219 calendar days, including a 60 calendar day Preconstruction Phase, 114 calendar day Construction Phase and 45 calendar days for Substantial Completion.

The following items are included in our scope:

Task 1: Resident Project Representative

- Includes attending pre-construction meeting with PBC DOA, Contractor and RPR Team.
- Includes (4) hours weekly of support during the Preconstruction Phase for 9 weeks.
- Includes attendance at (31) weekly meeting with PBC DOA, Contractor and RPR Team.
- Includes (8) hours weekly of on-site observation during the Construction for 16 weeks.
- Includes (4) hours weekly of on-site observation during the Post Construction for 7 weeks.
- Includes (1) on-site visit for substantial completion walk through and creation of electrical punch list items.
- Includes (1) on-site visit for final completion inspection and review of electrical punch list items.
- Includes review of Contractor "Red Line Plan Mark-ups" (As-Builts).

Task 2: Construction Administration Services

- Includes attending pre-construction meeting with PBC DOA, Contractor and RPR Team.
- Includes electrical submittal(s) reviews and approvals.
- Includes Engineer of Record attend (31) weekly meeting with PBC DOA, Contractor and RPR Team.
- Includes Engineer of Record attend (31) weekly internal meetings with RPR Team.
- Includes up to (2) hours per month of site visits during the Construction Phase by the Engineer of Record.
- Includes request for information (RFI) reviews and responses.
- Includes creation of Field Instructions, up to (10) Field Instructions.

Palm Beach County
2755 Vista Parkway, Suite I-9
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

- Includes creation of Field Bulletins, up to (5) Field Bulletins.
- Includes change order reviews and comments.
- Includes (1) on-site visit for substantial completion walk through and creation of electrical punch list items.
- Includes (1) on-site visit for final completion inspection and review of electrical punch list items.
- Includes review of Contractor "Red Line Plan Mark-ups" (As-Builts).
- Includes creation of Record Drawings based on Contractor "Red Line Plan Mark-ups."
- QUANTUM to provide Record Drawings to HDR in AutoCAD 2020 and PDF Format.
- HDR shall provide all printing of plans/record drawings.

Our proposed Not-to-Exceed fee for Task 1 RPR:	\$ 35,000.00
Our proposed Lump Sum fee for Task 2 CA Services:	\$ 23,348.00
Total	\$ 58,348.00

(See attachment breakdown)

Sincerely,



Amy L. Champagne-Baker, PE
President

Palm Beach County
2755 Vista Parkway, Suite I-9
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- Palm Beach County F45 Ramp Expansion Construction Services										
QUANTUM ELECTRICAL ENGINEERING, INC.										
SCOPE FEE SUMMARY										
FEE PROPOSAL ELECTRICAL CA to HDR 10/07/24										
	Rate	\$170.00	\$150.00	\$145.00	\$85.00	\$140.00	\$48.00			
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Field Eng.	Clerical	Total		TOTAL	
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Expenses	TASK COST	
TASK 1 RPR Services										
Pre-Construction RPR Services (9 weeks@4 hours/week)					36		36		\$5,040.00	
Construction RPR Services							0			
Part Time RPR (16 weeks @ 8 hours)					128		128		\$17,920.00	
Substantial/Final RPR Services (7 weeks @ 4 hours/week)					28		28		\$3,920.00	
Pre-Construction Conference					1		1		\$140.00	
Weekly Progress Meetings & Prep (31 meetings @ 1 hours)					31		31		\$4,340.00	
Pay application Review (8 pay apps @ 1 hours)					8		8		\$1,120.00	
Substantial Completion					8		8		\$1,120.00	
Final Completion					8		8		\$1,120.00	
Review Record Drawings					2		2		\$280.00	
Subtotal	0	0	0	0	250	0	250		\$35,000.00	
TASK 2 Construction Administration Services										
Pre-Construction Conference		1					1		\$150.00	
Prepare Conformed Documents		1		1			2		\$235.00	
Review and Approve Shop Drawings		24					24		\$3,600.00	
On-Site Part Time Observation (2 hrs month x 4 months)		8					8		\$1,200.00	
Virtual Construction Meetings (31 meetings)		31					31		\$4,650.00	
Virtual Team Coordination Meetings 31 meetings)		31					31		\$4,650.00	
Respond to Requests for Information (RFI) (10 RFIs)		10		5			15		\$1,925.00	
Field Instructions (10 Field Instructions)		10		5			15		\$1,925.00	
Field Bulletins (5 Field Bulletins)		10		5			15		\$1,925.00	
Change Orders (5 Change Order reviews)		5					5		\$750.00	
Substantial Completion		8				1	9		\$1,248.00	
Final Completion		4					4		\$600.00	
Prepare Record Documents		1		4			5		\$490.00	
Subtotal	0	144	0	20	0	1	165		\$23,348.00	
Grand Total Hours										
	0	144	0	20	250	1	415			
Grand Total Labor Cost										
	\$0.00	\$21,600.00	\$0.00	\$1,700.00	\$35,000.00	\$48.00			\$58,348.00	



Subconsultant Contract

Tierra SF



October 8, 2024
October 1, 2024
February 9, 2024

HDR
1475 Centrepark Boulevard – Suite 230
West Palm Beach, Florida 33401
Attn: Cody Parham, P.E. | Project Manager
Email: cody.parham@dhdrinc.com
Phone: (561) 209-6641

Subject: Proposal for Geotechnical and Construction Material Testing Services
(F45) Terminal Ramp Construction Services
North Palm Beach County General Aviation Airport
Palm Beach County, Florida
TSFGEO Proposal No. 2402-096-R2

Dear Mr. Parham:

As requested, Tierra South Florida, Inc. (TSFGEO) is pleased to submit this proposal for providing Geotechnical and Construction Material Testing Services for the above-referenced project. Herein, we provide a general discussion of services that we understand will be required for this project, present our Schedule of Fees for such services.

PROJECT DESCRIPTION

Our proposal is based on preliminary information provided to this office. We understand that geotechnical investigation, soil, concrete, asphalt monitoring and laboratory services are required for the expansion of the terminal ramp on the east central airfield.

QUALIFICATIONS

TSFGEO is a recognized SBE consulting engineering and testing firm providing integrated services in several disciplines, including geotechnical engineering, construction services, materials engineering & testing, roof & pavement consulting, threshold services, and facilities consulting and engineering.

TSFGEO's Florida offices, located in West Palm Beach, Miami and Tampa, have over 40 engineers, inspectors, and support staff available to assist our clients. Our inspectors are ACI and AWS trained/certified in their respective disciplines, as required by building codes and industry standards. Our engineering staff includes registered professional engineers with significant construction experience in South Florida.

TSFGeo has earned a reputation for delivering quality service at reasonable costs. TSF has successfully completed thousands of projects for a variety of industries and organizations, including private, corporate and industrial clients, medical facilities, civilian and military agencies of the federal, state and local governments, colleges and universities, and local education agencies.

PROPOSED SCOPE OF SERVICES

We recognize that construction projects are built in the "real world" and that proposed schedules do not always work out. Therefore, we appreciate the importance of being able to respond to requests for our services on short notice and of working hours other than the normal schedule, including nighttime work and weekend work.

Based on the experience we have had in other projects like this and our understanding of the project requirements, we anticipate that the following testing services will be required during the design and construction phases of the project.

GEOTECHNICAL SERVICES

Geotechnical Investigation Services as outlined in Exhibit A, Scope of Services provided by HDR will include the following:

- Perform two (2) asphalt cores.
- Perform two (2) SPT borings to 10 feet.
- Perform one (1) sieve analysis.
- Perform one (1) organic content test.
- Utility Coordination.
- Soil Boring Location Plan.
- Pavement core information including base information. Soil Boring profile denoting boring number, Unified Soil Classification (USC), location of groundwater table depth, number of blows, standard penetration resistance in blows per foot, northing and easting, date performed, and depth in feet. Laboratory test results.

The Geotechnical Report will include exhibits and figures to illustrate the geotechnical investigation and findings.

Prior to drilling at the project site, TSF will notify the local utility companies and request that underground utilities be marked. Our experience, however, is that the utility companies will not mark privately owned or airside utilities. **All utilities will need to be cleared via GPR by a specialty utility locating company, or by the airport.** It is our understanding that the work will be conducted during the daytime. **Our fieldwork will be performed by TSF personnel, escorted by HDR personnel.**

GEOTECHNICAL ESTIMATED FEES

It is proposed that the fee for the performance of the services outlined above is determined on a unit price basis in accordance with the attached Fee Schedule and that the work be performed pursuant to TSF's General Conditions enclosed herewith and incorporated into this proposal. On the basis of the proposed quantities, the estimated total fee is:

FIELD INVESTIGATION	\$ 4,240.00
LABORATORY TESTING	\$ 210.00
ENGINEERING / COORDINATION / MANAGEMENT	\$ 4,750.00
TOTAL	\$ 9,200.00

Our estimate covers the work needed to present our findings in a formal report. Not included are reviews of foundation drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report.

Boring, sampling, and testing requirements are functions of the subsurface conditions encountered. Therefore, the estimated fee previously indicated is approximate, and compensation for the exploration will be based on the actual work and tests performed. We will endeavor to keep the exploration cost at a minimum consistent with good engineering practice. Based on our understanding of the project a breakdown is attached.

SCHEDULE AND AUTHORIZATION

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within several days of project approval (weather permitting) and after utilities are cleared. Fieldwork will take about 2 to 3 days to complete. The written report can be submitted in about three weeks after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary results can be provided to appropriate parties prior to submittal of the written report.

(F45) Terminal Ramp Extension Construction Services
TSFGeo Proposal No. 2402-096-R2

We appreciate the opportunity to offer our services for your project. Should you have any questions or need additional information, do not hesitate to contact me at (561) 687-8536.

Respectfully submitted,

TSFGeo



Wilson Gonzalez
Construction Operations Manager



Ramakumar Vedula, P.E.
Principal Engineer

Attachments: Geotechnical Unit Fee Schedule
 Materials Testing Unit Fee Schedule
 General Notes – Authorization
 General Conditions

**Fees Breakdown for
 Geotechnical and Construction Materials Testing Services**

ITEM	Quantity	Rate	Units	Extended
GEOTECHNICAL SERVICES				
FIELD INVESTIGATION				
Mobilization of Men and Equipment				
Truck-Mounted Equipment	3	\$ 500.00	LS	\$ 1,500.00
Support Vehicle	3	\$ 250.00	day	\$ 750.00
Standard Penetration Test Borings (By Truck-Mounted Equipment)				
Land: 0 - 50 ft depth	20	\$ 16.00	L.F.	\$ 320.00
50 - 100 ft depth	0	\$ 20.00	L.F.	\$ -
Grout-Seal Boreholes (By Truck-Mounted Equipment)				
Land: 0 - 50 ft depth	20	\$ 9.00	L.F.	\$ 180.00
50 - 100 ft depth	0	\$ 10.00	L.F.	\$ -
Casing (By Truck-Mounted Equipment)				
Land: 0 - 50 ft depth	20	\$ 7.00	L.F.	\$ 140.00
50 - 100 ft depth	0	\$ 11.00	L.F.	\$ -
Field Permeability (BHP)	0	\$ 500.00	test	\$ -
Pavement Cores, Asphalt	2	\$ 225.00	each	\$ 450.00
Coring Machine + Generator Rental	2	\$ 450.00		\$ 900.00
Subtotal				\$ 4,240.00
LABORATORY TESTING				
Natural Moisture Content Tests	1	\$ 30.00	test	\$ 30.00
Grain-Size Analysis - Full Gradation	1	\$ 85.00	test	\$ 85.00
Grain-Size Analysis - Single Sieve	1	\$ 45.00	test	\$ 45.00
Organic Content Tests	1	\$ 50.00	test	\$ 50.00
Subtotal				\$ 210.00
ENGINEERING / COORDINATION / MANAGEMENT				
Principal Engineer	2	\$ 275.00		\$ 550.00
Senior Engineer	4	\$ 250.00		\$ 1,000.00
Project Engineer	8	\$ 215.00		\$ 1,720.00
Senior Technician	12	\$ 90.00		\$ 1,080.00
CADD	4	\$ 100.00		\$ 400.00
Subtotal				\$ 4,750.00
Geotechnical Services Total Estimated Fees				\$ 9,200.00
CONSTRUCTION MATERIAL TESTING				
LABORATORY TESTING SERVICES				
Modified or Standard Proctor	4	\$ 125.00	test	\$ 500.00
LBR	2	\$ 350.00	test	\$ 700.00
Sieve Analysis	6	\$ 85.00	test	\$ 510.00
Organic Content	6	\$ 50.00	test	\$ 300.00
Atterberg Limits	6	\$ 85.00	test	\$ 510.00
Subtotal				\$ 2,520.00
CONCRETE / SOIL / ASPHALT				
Sr. Engineering Technician - Concrete	36	\$ 90.00	hour	\$ 3,240.00
Compression Testing of Concrete Cylinders-(set of 5)	12	\$ 150.00	set	\$ 1,800.00
Sr. Engineering Technician - Asphalt Plant	50	\$ 95.00	hour	\$ 4,750.00
Sr. Engineering Technician - Asphalt Field	50	\$ 95.00	hour	\$ 4,750.00
Subtotal				\$ 14,540.00
PROFESSIONAL AND TECHNICAL SERVICES				
Principal Engineer	8	\$ 275.00	hour	\$ 2,200.00
Staff Engineer	7	\$ 135.00	hour	\$ 945.00
Clerical	5	\$ 60.00	hour	\$ 300.00
Subtotal				\$ 3,445.00
Construction Material Testing Services Total Estimated Fees				\$ 20,505.00
Geotechnical and Construction Material Testing Services Total Estimated Fees				\$ 29,705.00

General Notes:

Please note the following procedures will apply to our services:

- 1- Field work hours for inspectors are Monday thru Friday, 8:00AM to 5:00PM.
- 2- We need 24 hours notice by contacting our office (561) 687-8536 prior to any site visit.
- 3- We can accommodate weekend inspections if necessary with a minimum of 48 hours notice.
- 4- Field work beyond 8 hours/day, night time and weekends (OT) will be billed at the regular rate times 1.5
- 5- Hours are billed from portal to portal in whole hour increment with a minimum of 3 hours per trip.
- 6- Stand-by time will be billed at hourly rate listed.



END OF EXHIBIT A

Exhibit B
Work Break Down Fee Schedule
Additional Services for for Airport Civil Consulting Services Contract R-2019-1157
'F45 Ramp Expansion Construction Services'

LABOR TASKS	Sr. Project Manager	Project Manager	Sr. Engineer	Staff Engineer	Senior Inspector	Engineer Intern	Designer	Sr. Admin Assistant	LABOR SUBTOTALS	Task Total
Contract Rate	\$275.00	\$250.00	\$235.00	\$200.00	\$150.00	\$140.00	\$120.00	\$130.00		
Reimbursables (T&E)										
Reproduction	# Drawings	# Pages	# Sets							
	@	@								
	\$ 3.00	\$ 0.50								
Conformed for construction drawings	58		10					\$ 1,740.00		
Meeting Exhibits	10		10					\$ 300.00		
Project Manual		512	5					\$ 1,280.00		
									Total Reproduction	\$ 3,320.00
Postage/Delivery	# Packages	# Packages								
	@	@								
	\$ -	\$ -								
Conformed for construction documents	0	0						\$ -		
									Total Postage/Delivery	\$ -
Travel	# People	# Days	Airfare @	Rental Car @	Lodging @	Meals @	Mileage			
	\$ -	\$ -	\$ 300.00	\$ 100.00	\$ 250.00	\$ 60.00	\$ 0.570			
RPR Travel from Out of County	1	15					80	\$ 804.00		
ECR Support Visits (3 visits)	1	6		1		1		\$ 980.00		
									Total Travel	\$ 1,784.00
Permitting	# Burrows	Cost								
	\$ -									
Burrow Collapse	0	\$ 1,800.00						\$ -		
									Total Permitting	\$ -
									Reimbursables (Not to Exceed)	\$5,084.00
Total Task I-24-F45-H-015 F45 Ramp Expansion Construction Services for Airport Civil Consulting Services Contract R-2019-1157										\$457,560.56



November 15, 2024

Ms. Cynthia Portnoy
Palm Beach County Department of Airports
Director of Airports Planning
846 Palm Beach International Airport
West Palm Beach, FL 33406-1470

Dear Ms. Portnoy:

HDR Engineering Inc. (HDR) is pleased to provide the proposed hourly billing rates associated with the Palm Beach County Department of Airports Airport Civil Consulting contract for your review and approval. This letter is to confirm that we have reviewed the billing rates for our subconsultant firms and that, in our opinion, these rates are fair and reasonable. This letter also confirms that we are in compliance with the DOA Document PPM APD-001 dated 11-18-11 regarding subconsultant rates and HDR hereby certifies we have completed a detailed review of the following subconsultants' hourly billing and audited overhead rates:

DBE SUBCONSULTANTS

- CRJ & Associates, Inc.
- Quantum Electrical Engineering, Inc.
- Tierra South Florida, Inc.

Sincerely,
HDR Engineering, Inc.

Cody Parham
Project Manager

hdrinc.com

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



EXHIBIT 2 - RATE SHEET

SALARY COSTS—CIVIL ENGINEERING SERVICES
MAXIMUM BILLING RATES



The following rates are the maximum rates that may be charged for various employee titles and grades. These rates include the adjustments made by Contract Agreement. For fees based on time charges, the actual rates for each employee will be used. During the multi-year contract, these maximum rates may be adjusted by mutual agreement between the County and HDR, but not sooner than 12 months from the date this Amendment is executed.

Profit calculation formula: Profit = (Raw Salary + Overhead + Fringe) x (% Profit)

Overall multiplier calculation formula: Multiplier = Total Hourly Rate / Raw Salary

COMPANY: CRJ & ASSOCIATES, INC.						
Employee Title	Grade	Maximum Raw Salary \$/Hour	Overhead 114.13% \$/Hour	Fringe 25.92% \$/Hour	Profit 12.50% \$/Hour	Total Hourly Rate \$/Hour
Principal		\$81.73	\$93.28	\$21.18	\$24.52	\$221.00
Engineer (+20-years Professional Eng.)		\$74.52	\$85.05	\$19.32	\$22.36	\$201.00
Staff Engineer / Design Professional (P.E.)		\$70.67	\$80.66	\$18.32	\$21.21	\$191.00
IT Specialist / Designer (CAD)		\$64.33	\$73.42	\$16.67	\$19.30	\$174.00
Senior Field RPR Professional Eng. (CIS)		\$52.88	\$60.35	\$13.71	\$15.87	\$143.00
Senior Field Site Inspector - Aviation (CIS)		\$45.91	\$52.40	\$11.90	\$13.78	\$124.00
Senior Admin Assistant		\$43.27	\$49.38	\$11.22	\$12.98	\$117.00
Overall Multiplier =						2.70

*CRJ's Direct Labor, Fringe Benefits and General Overhead were compiled by an Independent Auditors' Report dated May 11, 2023. The CRJ Raw Salary Rates generated from 2023 Payroll Summary. *Total Hourly Rate \$/Hour rounded to the nearest dollar value per request of HDR, Inc. (Prime Consultant).*

10/7/2024

Signature
Marc A. Fermanian, MSCE, P.E. - President
 Print Name

QUANTUM

Electrical Engineering, Inc.

10/08/2024

HDR, Inc.
Cody Parham, P.E.
1475 Centrepark Boulevard – Suite 230
West Palm Beach, FL 33401-7412

Subject: Quantum Electrical Engineering, Inc. Proposed Rates

2024 Rates Prepared for HDR

Quantum Electrical Engineering, Inc.	
Position Classification	Hourly Billing Rates
Project Manager	\$170.00
Professional Engineer	\$150.00
Project Engineer	\$145.00
CADD/Technician	\$85.00
Clerical	\$48.00
Field Engineer/RPR	\$140.00



Amy L. 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

CONSULTANT: Tierra South Florida

DESCRIPTION	HOURLY BILLING RATES
Project Manager	\$225.00
Principal Engineering	\$275.00
Senior Engineer	\$250.00
Project Engineer	\$215.00
Staff Engineer	\$135.00
Asphalt Plant Inspector	\$95.00
Asphalt Field Inspector	\$95.00
Threshold Inspector	\$100.00
Senior Technician	\$90.00
Technician	\$80.00
CADD	\$100.00
Clerical	\$60.00

DESCRIPTION	UNIT	RATE
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SOILS TESTS

A. Compaction and Stabilization		
1. Moisture-Density Relationship		
a. Standard or Modified Proctor on Soil (AASHTO T-99 or T-180, 4" Mold)	each	\$115.00
b. Modified Proctor on Limerock (AASHTO T-180, 6" Mold)	each	\$125.00
B. Nuclear Density Test -up to five (5) tests per trip	trip	\$130.00
1. Additional Density tests (beyond 5 tests) each	each	\$30.00
C. Sand Cone Density Test- up to three (3) tests per trip	trip	\$200.00
1. Additional Sand Cone Tests (beyond 3 tests) each	each	\$70.00
D. Florida Bearing Value Test	each	\$65.00
E. Limerock Bearing Ratio Test	each	\$350.00
F. Atterberg Limit Test	each	\$85.00
1. Liquid Limit Tests (only)	each	\$60.00
2. Plastic Limit Tests (only)	each	\$45.00
G. Carbonate Content Test	each	\$150.00
H. Organic Content Test	each	\$50.00
I. D.O.T. Corrosivity	each	\$225.00
J. Soil Observation (on Site)	hour	\$80.00

DESCRIPTION	UNIT	RATE
K. Natural Sample Moisture Content	each	\$30.00
L. Unit Weight and Moisture Content (Undisturbed Sample)	each	\$60.00
M. Grain-Size Analysis – Full Gradation	test	\$85.00
N. Grain-Size Analysis – Single Sieve	test	\$45.00
O. Laboratory CBR + Sampling	test	\$600.00
P. Grain-Size with Hydrometer	test	\$145.00

CONCRETE & MASONRY MATERIALS

A. Concrete Compression Test (Min four (5) cylinders per Prepare cylinders & slump test on site & deliver to lab	set	\$150.00
B. Additional Concrete Cylinders	each	\$18.00
C. Concrete Compression test only (deliver to lab)	each	\$20.00
D. Slump Test	each	\$15.00
E. Air Content Test	each	\$25.00
F. Stand-by	hour	\$75.00
G. Grout Prism (Six (6) per set) Includes preparation of Prism on site	set	\$90.00
H. 2" x 2" Mortar Cubes (Six (6) per set) Includes preparation of Cubes on site	set	\$90.00
I. Additional Mortar Cubes	each	\$18.00
J. Masonry Units		
1. Compressive Strength	unit	\$80.00
2. Absorption	unit	\$50.00
K. Concrete Cores (Min 3)		
1. Secure, Trim & Test	core	\$115.00
2. Testing of Core (deliver to lab (incl. trim))	core	\$75.00
L. Swiss Hammer Testing	hour	\$85.00
M. Windsor Probe Test (Min 3 shots)	test	\$225.00
N. Additional Windsor Probe Tests	test	\$100.00

AGGREGATE TESTING

A. Grain Size determination		
1. Full grain size (8 sieves)	test	\$75.00
2. Wash Through (#200)	test	\$45.00
B. Sieve Analysis – Coarse Aggregate	test	\$45.00
C. Specific Gravity & Absorption of Fine or Coarse Aggregate	test	\$70.00

DESCRIPTION	UNIT	RATE
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ASPHALT TESTING

A. Asphalt Plant Facility Inspection	day	\$1020.00
B. Asphalt Cores (Obtaining core samples)	each	\$225.00
C. Asphalt Extraction & Gradation	test	\$175.00
D. Asphalt Density & Thickness	test	\$30.00
E. Marshall Stability (incl. density, flow & stability of 3 specimens) (50 blows)	test	\$250.00
F. Coring Machine plus Generator Rental	trip	\$450.00

FIELD EXPLORATIONS

A. Power Auger Borings	feet	\$14.00
B. Hand Augers	hour	\$110.00
C. Standard Penetration Tests – Truck		
1. 0' – 50'	feet	\$16.00 (day)
0' – 50'	feet	\$20.00 (night)
2. 51' – 100'	feet	\$20.00 (day)
51' – 100'	feet	\$24.00 (night)
D. Grout Bore Holes		
1. 0' – 50'	feet	\$9.00 (day)
0' – 50'	feet	\$10.00 (night)
2. 51' – 100'	feet	\$10.00 (day)
51' – 100'	feet	\$11.00 (night)
E. Casing		
1. 0' – 50'	feet	\$7.00 (day)
0' – 50'	feet	\$9.00 (night)
2. 51' – 100'	feet	\$11.00 (day)
51' – 100'	feet	\$13.00 (night)
F. Visual Examination/Stratify	hour	\$115.00
G. Percolation Test	test	\$400.00
H. Muck Probing (4-hour min)	hour	\$150.00
I. Mobilization of drilling equipment to project (Min. Charge)	Lump Sum	\$500.00
J. Support Vehicle	day	\$250.00
K. Double Ring Infiltration Test	test	\$850.00
L. Field Permeability Test	test	\$500.00 (day)
M. Field Permeability Test	test	\$600.00 (night)
N. Field CBR (Kessier Method)	each	\$650.00

EXHIBIT B: DETAILED FEES, EXPENSES AND PAYMENTS

EXHIBIT B-I: Summary of Fees

This Amendment No. 6 as described herein, consists of 1 task. As summarized below, these initial efforts have an overall budget of \$457,560.56.

LEVEL I TASKS:

TASK LEVEL / NO.	DESCRIPTION	LUMP SUM LABOR	NOT TO EXCEED LABOR	REIMBURSABLE EXPENSES	TOTAL
I-24-F45-H-015	Terminal Ramp Expansion Construction Services	\$164,698.00	\$277,098.56	\$15,764.00	\$457,560.56
GRAND TOTAL (AMENDMENT NO. 6)					\$457,560.56

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. 6:

LEVEL I TASKS:

Task I-24-F45-H-015	<u>F45 Terminal Ramp Expansion Construction Services</u>
Duration:	219 Calendar Days
Compensation:	\$457,560.56

TOTAL = \$457,560.56

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-F45-H-015 **F45 Terminal Ramp Expansion Construction Services**
Duration: 219 Calendar Days

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 6.

Firm	Amendment 6 Totals	% of Amendment 6
CRJ & Associates	\$160,216.00	35%
Quantum Electrical Engineering	\$58,348.00	13%
Tierra South Florida	\$29,705.00	6%
TOTALS	\$248,269.00	54%

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

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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
CRJ & Associates	\$0.00	\$0.00	\$0.00	\$0.00	\$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 Pvmt 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
CRJ & Associates	\$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	Task III-24- PBI-H-016 - PBI RW 14- 32 Survey	Amendment 6
Tierra SF	\$0.00	\$0.00	\$0.00	\$29,705.00
Brown & Phillips	\$0.00	\$0.00	\$2,229.12	\$0.00
Quantum Electrical Engineering	\$0.00	\$1,771.15	\$0.00	\$58,348.00
Marlin Engineering	\$0.00	\$0.00	\$0.00	\$0.00
CRJ & Associates	\$0.00	\$0.00	\$0.00	\$160,216.00
TOTALS	\$0.00	\$1,771.15	\$2,229.12	\$248,269.00

Firm	Total Fees	% of Total Contract
Tierra SF	\$129,775.33	4%
Brown & Phillips	\$199,523.73	7%
Quantum Electrical Engineering	\$134,264.67	5%
Marlin Engineering	\$29,664.54	1%
CRJ & Associates	\$160,216.00	5%
TOTALS	\$653,444.27	22%

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): Amendment 6

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)
CRJ & Associates, Inc. 2699 Stirling Road, Suite B-201 Ft. Lauderdale, FL 33312 (954) 239-4330	construction observation	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ %	34 (Armenian) %
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	_____ %	_____ %	13 %	_____ %
Tierra South Florida, Inc. 2765 Vista Pkwy - Suite 10 West Palm Beach, FL 33411 (561) 687-8536	construction materials testing	<input type="checkbox"/> Prime Consultant <input checked="" type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ %	6 (asian) %
		<input type="checkbox"/> Prime Consultant <input type="checkbox"/> Subcontractor <input type="checkbox"/> Supplier <input type="checkbox"/> Manufacturer	_____ %	_____ %	_____ %	_____ %

Total Percentage of DBE Participation: 54 %

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: Duty, Katie E.
Digitally signed by Duty, Katie E.
Date: 2024.11.19 13:07:01 -05'00'
 Signature
Katie E. Duty / Vice President, HDR Engineering, Inc.
 Print Name/Title of Person Executing on Behalf of the Respondent

Date: 11/19/2024

SCHEDULE 2(A)
LETTER OF INTENT TO PERFORM AS A DISADVANTAGED BUSINESS ENTERPRISE
(Professional Services)

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

Change Order/Task /Amendment No. (if applicable): Amendment 6

Name of Prime Respondent: HDR Engineering, Inc.

Name of DBE Firm: CRJ & Associates, Inc.

The undersigned is certified as a Disadvantaged Business Enterprise by the State of Florida's Unified Certification Program. Check one or more classifications as applicable:

- Black Hispanic Women Other (Please Specify) Armenian
 Prime Consultant Subcontractor Manufacturer Supplier

The undersigned is prepared to perform the following described work in connection with the above-referenced project (specify in detail the particular work and/or parts thereof to be performed):

construction observation

(Additional Sheets may be used as necessary.)

Total Percentage of Participation by DBE Firm for this Project: 34 %

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

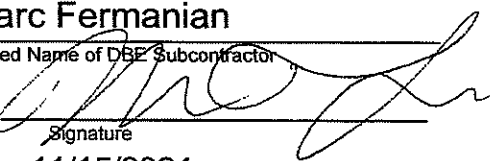
If the undersigned intends to subcontract any portion of the work described above to another subcontractor, please complete the following:

N/A N/A % DBE Certified
(Name of Subcontractor) (Percentage of work to be subcontracted) Non-DBE

The undersigned affirms that it has the resources necessary to perform the work described above without subcontracting the work to another subcontractor, except as noted above.

Marc Fermanian

Printed Name of DBE Subcontractor

By: 
Signature

Date: 11/15/2024

EXHIBIT F

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

Sworn to and subscribed before me by means of physical presence or online notarization this, 19th day of November 2024, by Katie E. Duty.

Personally known OR ~~produced identification~~ .

Type of identification produced _____.

Michelle Pardo

NOTARY PUBLIC Michelle J. Pardo / HH586622

My Commission Expires: September 22, 2028

State of Florida at large



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

(Notary Seal)