

TASK ORDER No. 17

Dated this _____ day of _____, 2017

CITY PROJECT No. 12289

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

**FORT LAUDERDALE EXECUTIVE AIRPORT
DESIGN SERVICES FOR EXECUTIVE AIRPORT PARCEL 21B PARKING LOT**

PROFESSIONAL SERVICES

This Task Order between the City of Fort Lauderdale, a Florida municipal corporation ("CITY") and HDR Engineering, Inc., a Nebraska corporation authorized to transact business in the State of Florida ("CONSULTANT") is pursuant to the General Engineering Aviation Consulting Services Agreement dated August 19, 2014, extended by City Commission on June 21, 2016 and expiring on August 18, 2017 ("MASTER AGREEMENT").

PROJECT BACKGROUND

This Task Order is for providing Professional Engineering Services to develop plans and contract specifications to construct an approximately 300 space parking lot on an approximately 6.0 acre Airport owned vacant lot (Parcel 21B) located north of West Commercial Blvd. and west of NW 21st Avenue (Exhibit B). The parking lot will not be open to the public and parking will be restricted to airport tenant employees, rental cars companies, long term customer parking and special activities as determined by the Airport. The following elements will be included in the design:

- Dedicated parking spaces for a minimum of 300 vehicles.
- Access will not be by a sidewalk system and depends on shuttles. Some sidewalk design is included on NW 21st Avenue.
- Covered parking spaces will be provided as a premium service.
- Approximately 50 spaces will be dedicated to rental car use.
- Closed circuit television (CCTV) monitoring for security.
- Construction of a 10' tall concrete wall.
- Installation of automatic gate system requiring badge access.
- Fire hydrants will be included to meet code.
- Site lighting will be included to meet code.
- Drainage elements will be included to comply with necessary permits.
- Entrance will allow for a north bound turn lane at the entrance off NW 21st Ave.
- Entrance will include a dedicated right turn for south bound traffic on NW 21st Ave.
- Capability to park and unload transports hauling rental cars.
- No planned provision for oversize or handicap spaces.

Parcel 21B is designated as a Broward County Natural Resource Area (NRA). Development of the site will require obtaining a Tree Removal License. In addition, a portion of the site is considered to be ecologically viable by Broward County Environmental Protection and Growth Management Department (BCEPGMD) and is required to be preserved and enhanced as a

condition of issuing Tree Removal License. The mitigation of this portion of the site will be accomplished under a separate contract.

SPECIFIC SCOPE OF SERVICES

The project requires professional engineering services for geotechnical investigations, parking pavement and roadway design, lighting, fire protection, drainage, structural security wall, striping, canopy design and foundations, signage, CCTV capability and a security gate. Landscaping and irrigation design shall be provided by CITY staff.

CONSULTANT, along with their sub-consultants, Chen Moore and Associates (Drainage), Tierra South Florida (Geotechnical), Hillers Electrical Engineers (Electric and Fiber) shall develop contract documents to address the requirements of the project.

CONSULTANT shall provide regulatory permitting services to obtain required permits with the following agencies:

1. Broward County Environmental Protection and Growth Management Department Surface Water License.
2. Broward County Environmental Protection and Growth Management Department Tree Removal License.
3. City of Fort Lauderdale Building Department.

Services to be provided by CONSULTANT shall include the following tasks:

Task 1.0 Pre-Design Services and Site Plan Level II Submittal

CONSULTANT shall develop preliminary design options for the above mentioned areas to present to Airport staff, define the necessary geotechnical investigation, and establish communications with the parties and agencies known to CONSULTANT that will be involved or affected by the project.

This Task shall include preparing a design package for submittal to CITY's Department of Sustainable Development. CONSULTANT shall make revisions to the plans as required to address Site Plan Level II comments and resubmit revised plans for additional Site Plan Level II review, if required.

Specific tasks shall consist of the following:

1. Meet with staff to fully define project elements and project issues.
2. Define and list design criteria applicable to the project and research local planning and zoning requirements related to the proposed project development.
3. Develop preliminary design options based on meeting with Airport and BCEPGMD staff.
4. Define the geotechnical investigation limits for the site.
5. Prepare Site Plan Level II preliminary design plans, documents, and applications to submit for Site Plan Level II review, comment, and approval.
6. Respond to Site Plan Level II comments and revise plans as appropriate.
7. Conduct two (2) pre-design meetings with Airport and City staff to discuss and approve site plan.
8. Based on selected design options, prepare an order of magnitude opinion of probable construction cost for the project.

Deliverables:

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

- Design criteria listing.
- Design options.
- Site Plan Level II Preliminary Design Plans and Documents- Five (5) sets, signed and sealed.
- CAD files from Site Plan Level II submittal along with plot files (24"x36") in PDF format.
- Order of magnitude opinion of probable construction cost.
- Agenda and minutes of all meetings.

Task 2.0 Schematic Design (30% Submittal)

CONSULTANT, along with their sub-consultants, shall develop the preliminary plans necessary to achieve approximately 30% design completion. Drawings will be in AutoCAD based on CITY's current CAD standards. Technical specifications and other written documents will be in Word. Designs will be in accordance with latest codes and regulations at the time of design. Specific tasks shall consist of the following:

1. Prepare preliminary construction phasing plans.
2. Perform geotechnical investigation.
3. Prepare schematic design plans.
4. Prepare draft outline of technical specifications for the project.
5. Prepare an order of magnitude opinion of probable construction cost based on the 30% plans.
6. Prepare a conceptual construction schedule.
7. Submit 30% plans to CITY for review.
8. Conduct one (1) concept design review and coordination meeting with Airport staff.

Deliverables:

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

- Cad files of 30% plans to verify conformance with current CITY CAD standards along with plot files (24"x36") in pdf format.
- 30% schematic drawings.
- Outline of Technical Specifications.
- Conceptual construction schedule.
- Order of Magnitude Opinion of Probable Construction Cost.
- Agenda and minutes of all meetings.

Task 3.0 Design Development (60% Submittal)

CONSULTANT shall continue design and construction documents to 60% completion that shall consist of construction drawings and technical specifications. Drawings will be in AutoCAD based on CITY's current CAD standards. Technical specifications and other written documents will be in Word.

Specific tasks shall consist of the following:

1. Prepare 60% schematic design drawings based on comments received from Task 2.0.
2. Perform preliminary quantity take off.

3. Prepare preliminary opinion of probable construction cost.
4. Prepare construction schedule.
5. Coordination with FPL regarding electrical service to facility.
6. Prepare draft technical specifications.
7. Submit plans, bid documents, and opinion of probable construction cost to the CITY for review and comment.
8. Conduct one (1) design review meeting(s) with Airport staff and address comments.

Deliverables:

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

- Cad files of 60% plans to verify conformance with current CITY CAD standards along with plot files (24"x36") in pdf format.
- Bid Documents.
- Opinion of Probable Construction Cost and Schedule.
- Agenda and minutes of all meetings.

Task 4.0 Contract Document Preparation and Permitting (100% Submittal)

CONSULTANT, in coordination with their sub-consultants, shall complete designs and contract documents that shall consist of construction drawings and technical specifications. This task also includes the preparation and submittal of permit applications, computations, maps, and required documentation to the proper permitting agencies listed below. The CONSULTANT shall prepare and submit revisions to the documents per comments supplied by the permitting agencies. The CITY shall be responsible for providing surveys, proof of ownership, application information and signatures. The CONSULTANT shall revise documents per review agency comments and re-submit documents to obtain approval by agencies. Upon final plans approval by the permitting agencies, the CONSULTANT shall produce Final Bid Plans and Documents for the project.

Specific tasks shall consist of the following:

1. Finalize design drawings to 100% completion.
2. Finalize technical specifications.
3. Finalize construction schedule.
4. Finalize bid forms with final quantities.
5. Finalize bid (csv) file with final quantities.
6. Prepare and submit required plans and applications to the Broward County Environmental Protection and Growth Management Division (BCEPGMD) to obtain required Surface Water Management License.
7. Prepare and submit required plans and applications to the Broward County Environmental Protection and Growth Management Division (BCEPGMD) to obtain required Tree Removal License.
8. Provide plans and construction documents for approval and authorization to advertise for bids.
9. Conduct one (1) additional review meeting with Airport staff and address comments.

Deliverables:

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

- Final (100%) completion.
- Plan set – Two (2) sets signed and sealed.

- Bid Documents with csv files (electronic).
- Permit applications for reviewing agencies.
- Opinion of probable construction cost and construction schedule.
- CD containing CAD files of 100% plans and plot files (24"x36") in PDF in conformance with current CITY CAD standards.

The anticipated sheets to be included in the construction drawings are as follows:

Construction Set	Description
Roadway PG&D	6 sheets
Roadway striping	2 sheets
Roadway signage	1 sheet
Electrical – power	6 sheets
Electrical Fiber	4 sheets
Drainage	6 sheets
Geotechnical	3 sheets
Security wall, structural	3 sheets
P&G for Parking	6 sheets
Marking for parking	4 sheets
Security gate	3 sheets
CCTV details and plan	3 sheets
Canopies	3 sheets
Security elements	1 sheet
General Notes	2 sheets
Cover	1 sheet
Sidewalk details	2 sheets
Water (Fire)	6 sheets
By Others:	
Survey	2-3 sheets
Tree survey	2-3 sheets

Task 5.0 Special Services

GEOTECHNICAL INVESTIGATION & MATERIALS TESTING

Geotechnical investigation will be performed to test and provide recommendations for paving design and foundations. Tierra South Florida, Inc., as a subconsultant, will provide the following services:

Field Investigation:

- 12 – 10' standard penetration test (SPT) borings to ten feet below existing grade to determine soil profile.
- Visual classification of the soils encountered.
- Depth to ground water and estimated depth to seasonal high ground water.
- Obtain soil samples for laboratory testing.
- 4 – Percolation tests per SFWMD

Laboratory Testing:

Perform testing on soil samples representing each distinctly different soil type or strata

- Grain size analysis.
- Atterberg Limits.
- Limerock Bearing Ratio (6 minimum).
- Moisture-Density relationship.

Deliverables:

CONSULTANT, through its sub-consultant, TSF, shall provide the following for CITY review and written approval:

- Geotechnical Services Report – Two (2) copies signed and sealed with PDF files.

Task 6.0 Bidding Phase Services

CONSULTANT shall assist CITY during the bid phase of the project. CONSULTANT shall perform the following tasks:

1. Attend and conduct (1) pre-bid meeting with potential bidders and affected agencies and provide meeting minutes.
2. Respond to bidder's questions in the form of written addenda as needed to interpret, clarify, or expand the Bid Documents.

PROJECT ASSUMPTIONS

1. Plans will be in conformance with CITY's current CAD standards. CONSULTANT shall work with CITY to provide modifications to CAD standards to be used.
2. Front-end documents, advertisement, general provisions, and related documents will be provided by CITY. CONSULTANT will provide actual bid proposal forms (csv files), technical specifications, and other written documents in Word.
3. CITY will provide existing plan data and as-built drawings of utilities, fiber optic and previous construction plans as required for the project upon which CONSULTANT may rely during the design of the project.
4. Required survey and sketch and legal descriptions will be performed by CITY.
5. CITY shall perform tree survey.
6. CITY shall provide the landscaping and irrigation design.
7. Required permit submittal fees will be provided by CITY. CONSULTANT shall provide completed permit applications to submit for permit review.
8. CITY shall provide review fees, survey, proof of ownership letter, application information and signatures as required for site Plan Level II review.
9. If requested by CITY, CONSULTANT shall provide CITY with a marked-up set of plans and/or specifications showing CONSULTANT's Q.C. review corrections and comments.
10. CONSULTANT shall submit a final project schedule to CITY, for approval, within 10 business days after receiving the Notice-to-Proceed and prior to beginning work. No work shall commence without an approved schedule. The final schedule shall include design, permitting activities, submittal review timeframes, and other project activities as required to complete the work. CONSULTANT shall submit updated project schedules as required in the specific scope of services.

ADDITIONAL SERVICES

If authorized in writing by the CITY as an amendment to this Task Order, CONSULTANT shall furnish, or obtain, Additional Services of the types listed in Article 8 of the MASTER AGREEMENT. CITY, as indicated in the MASTER AGREEMENT, will pay for these services.

PERFORMANCE SCHEDULE

CONSULTANT shall perform the services identified in Tasks 1 through 5, inclusive, within 90 working days of written Notice to Proceed, not inclusive of CITY review time. Services for Task 6 will be dependent on CITY bidding schedule.

PROJECT FUNDING

Performance of this project is at CITY's discretion and may be contingent upon receipt by CITY of funding from the Airport's approved Community Investment Plan, and work shall not begin until funding sources for this project are in place.

METHOD OF COMPENSATION

The services performed will be accomplished using the Not-to-Exceed method of compensation. Reimbursable expenses associated with these services are not included in the fees and will be itemized separately, subject to an established Not-to-Exceed limit. The total hourly rates payable by CITY for each of CONSULTANT's employee categories, reimbursable expenses and sub-consultant fees are shown on Exhibit "A" attached hereto and made a part hereof.

TERMS OF COMPENSATION

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

Task No.	Task Title	HDR Labor	Subconsultant Labor	Total
1	Pre-Design Services	\$ 14,836.75	\$ -	\$ 14,836.75
2	Conceptual Design (30% Plans)	\$ 12,520.50	\$ -	\$ 12,520.50
3	Design Development (60% Plans)	\$ 16,685.50	\$ -	\$ 16,685.50
4	Contract Document & Permitting Preparation (100% Plans)	\$ 15,227.75	\$ -	\$ 15,227.75
5	Subconsultant Services			
	Chen Moore and Associates		\$ 11,904.25	\$ 11,904.25
	Hillers Electrical Engineering, Inc.		\$ 30,590.00	\$ 30,590.00
	Tierra South Florida		\$ 7,409.00	\$ 7,409.00
6	Bidding Services	\$ 3,995.00	\$ -	\$ 3,995.00
	Sub-Total	\$ 63,265.50	\$ 49,903.25	\$ 113,168.75
	Reimbursable Expenses	\$ 500.00	\$ 250.00	\$ 750.00
	Total	\$ 63,765.50	\$ 50,153.25	\$ 113,918.75

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to acctspayable@fortlauderdale.gov. All other correspondence and submittals should be directed to the attention of Fernando Blanco, Airport Engineer/Project Manager II, at the address shown below. **Please be sure that all correspondence refers to the City project number and title as stated above.**

Fernando Blanco
Airport Engineer/Project Manager II
City of Fort Lauderdale
City Hall, 5th Floor Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301
Email: fblanco@fortlauderdale.gov
Phone: 954-828-6536
Fax: 954-828-5074

Jill Prizlee, P.E.
Senior Project Manager
City of Fort Lauderdale
City Hall, 4th Floor Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301
Email: jprizlee@fortlauderdale.gov
Phone: 954-828-5962
Fax: 954-828-5074

CONSULTANT CONTACTS

HDR Engineering, Inc.
3250 West Commercial Blvd.
Suite 100
Fort Lauderdale, FL 33309
John Neff, P.E., Senior Project Manager
Email: John.Neff@hdrinc.com
Phone: 954-233-4915
Fax: 954-233-4953

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IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written above.

CITY

ATTEST:

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

JEFFREY A. MODARELLI
City Clerk

LEE R. FELDMAN, City Manager

(SEAL)

Approved as to form:

RHONDA MONTOYA HASAN
Assistant City Attorney

CONSULTANT

WITNESSESS:

Darlene Wheatley
Signature:

DARLENE WHEATLEY
Print Name:

Bonnie Leggett
Signature:

BONNIE LEGGETT
Print Name:

HDR ENGINEERING, INC.,
A Nebraska Corporation authorized to
transact business in the State of Florida

By: Christine Kefauver
Christine Kefauver
Vice President

ATTEST:

Bonnie J. Kudron
Bonnie J. Kudron
Assistant Secretary

(CORPORATE SEAL)

STATE OF FLORIDA
COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 24 day of MARCH, 2017, by Christine Kefauver as Vice President for HDR Engineering, Inc., a Nebraska corporation authorized to transact business in the State of Florida.

(SEAL)



DARLENE WHEATLEY
MY COMMISSION # FF 146547
EXPIRES: July 30, 2018
Bonded Thru Budget Notary Services

Darlene Wheatley
Notary Public, State of Florida
(Signature of Notary Public)

DARLENE WHEATLEY
Name of Notary Typed, Printed or Stamped

Personally Known X OR Produced Identification _____

Type of Identification Produced _____

EXHIBIT A

EXHIBIT NO. A TO FORM OF CONTRACT		Sr. Project Manager	Senior Engineer	Staff Engineer	Staff Architect	Senior Designer	Eng Intern	Senior Controller	Sr. Admin. Asst.	Total Hours	Labor Cost
HDR Engineering, Inc.		\$212.50	\$178.50	\$148.75	\$144.50	\$102.00	\$72.25	\$102.00	\$63.75		
TASK DESCRIPTION											
Task 1 Pre-Design Services											
1	Meet with staff to fully define project elements and project issues.	1	1			6		1		9	\$ 1,105.00
2	Define and list design criteria applicable to the project and research local planning and zoning requirements related to the proposed development		8			8				16	\$ 2,244.00
3	Develop preliminary design options based on meetings with Airport and BCEPGMD staff.		10		4	16				30	\$ 3,995.00
4	Define geotechnical investigation limits for the site.		2	2						4	\$ 654.50
5	Prepare Site Plan Level II preliminary design plans, documents, and applications to submit for SPL II review, comment and approval		4	4	2	16			2	28	\$ 3,357.50
6	Respond to SPL II comments and revise plans as appropriate.		2			4				6	\$ 765.00
7	Conduct two (2) pre-design meetings with Airport and City staff to discuss and approve site plan.	4		2		4		1		11	\$ 1,657.50
8	Based on selected design options, prepare an order of magnitude opinion of probable construction cost for the project.		2	2		2	1		2	9	\$ 1,058.25
Subtotal		5	29	10	6	56	1	2	4	113	\$ 14,836.75
Task 2 Schematic Design (30% Plans)											
1	Prepare preliminary construction phasing plans and define construction project limits.		8		4	24		2	2	40	\$ 4,785.50
2	Perform geotechnical investigation			2						2	\$ 297.50
3	Prepare Schematic design plans		4		6	10				20	\$ 2,601.00
4	Prepare draft outline of technical specifications for the project		2							2	\$ 357.00
5	Prepare an order of magnitude opinion of probable construction cost based on 30% plans.	2	2			2				6	\$ 986.00
6	Prepare a conceptual construction schedule.		4	2					2	8	\$ 1,139.00
7	Submit 30% conceptual plans to the CITY for review.		2		4	2		1	2	11	\$ 1,368.50
8	Conduct one (1) concept design review and coordination meeting with Airport and City staff.	2	2			2				6	\$ 986.00
Subtotal		4	24	4	14	40	0	3	6	95	\$ 12,520.50
Task 3 Design Development (60% Plans)											
1	Prepare 60% schematic design drawings based on comments received from Task 2.0		12		6	36				54	\$ 6,681.00
2	Perform quantity take off.		6		4	6				16	\$ 2,261.00
3	Prepare preliminary opinion of probable construction cost.	1	4	4		8				17	\$ 2,337.50
4	Prepare construction schedule.			4	1	4				9	\$ 1,147.50
5	Prepare draft technical specifications.		2		2	3				7	\$ 952.00
6	Submit plans, bid documents, Engineer's report, and opinion of probable construction cost to the CITY for review and comment.		4			6		1	2	13	\$ 1,555.50
7	Conduct one (1) design review meeting(s) with Airport staff and address comments.	2	4			6				12	\$ 1,751.00
Subtotal		3	32	8	13	69	0	1	2	128	\$ 16,685.50
Task 4 Contract Document & Permitting Preparation (100% Plans)											
1	Finalize design drawings to 100% completion.	2	10	4	6	20	1	1	2	46	\$ 6,013.75
2	Finalize technical specifications.			2			2			4	\$ 442.00
3	Finalize construction schedule.		4	2		4	2		1	13	\$ 1,627.75
4	Finalize bid forms with final quantities	1	4	2					1	8	\$ 1,287.75
5	Finalize bid (cvs) file with final quantities.		2	2		4				8	\$ 1,062.50
6	Prepare and submit required plans and applications to Broward County Environmental Protection and Growth management (BCEPGMD) to obtain required Surface Water Management License		4		2					6	\$ 1,003.00
7	Prepare and submit required plans and applications to Broward County Environmental Protection and Growth management (BCEPGMD) to obtain required Tree Removal License		4				4			8	\$ 1,003.00
8	Provide plans, construction documents, for approval and authorization to advertise for bids.		4	2		4	1			11	\$ 1,491.75
9	Conduct one (1) additional review meeting with Airport staff and address comments	1	4			2		1	1	9	\$ 1,296.25
Subtotal		4	36	14	8	34	10	2	5	113	\$ 15,227.75
Task 6 Bidding Services											
1	Attend one (1) Pre-Bid Conference	2	4			4				10	\$ 1,547.00
2	Responses to Bidder's Questions		8			10				18	\$ 2,448.00
Subtotal		2	12	0	0	14	0	0	0	28	\$ 3,995.00
Raw Labor Subtotal		18	133	36	41	213	11	8	17	477	\$ 63,285.50
SUBCONSULTANT EXPENSES											
A. Specialty Subconsultants-Design											
Chen Moore and Associates											\$ 11,904.25
Hillers Electrical Engineering, Inc.											\$ 30,590.00
Tierra South Florida											\$ 7,409.00
TOTAL SUBCONSULTANT EXPENSES											\$ 49,903.25
REIMBURSABLE EXPENSES											
A Postage, Express, Courier											\$ -
B. Plots											\$ -
C. Prints-Plan Sheets											\$ -
D. Printing-Reports and Specifications											\$ 750.00
											\$ 750.00
TOTAL PROJECT FEE											\$ 113,918.75

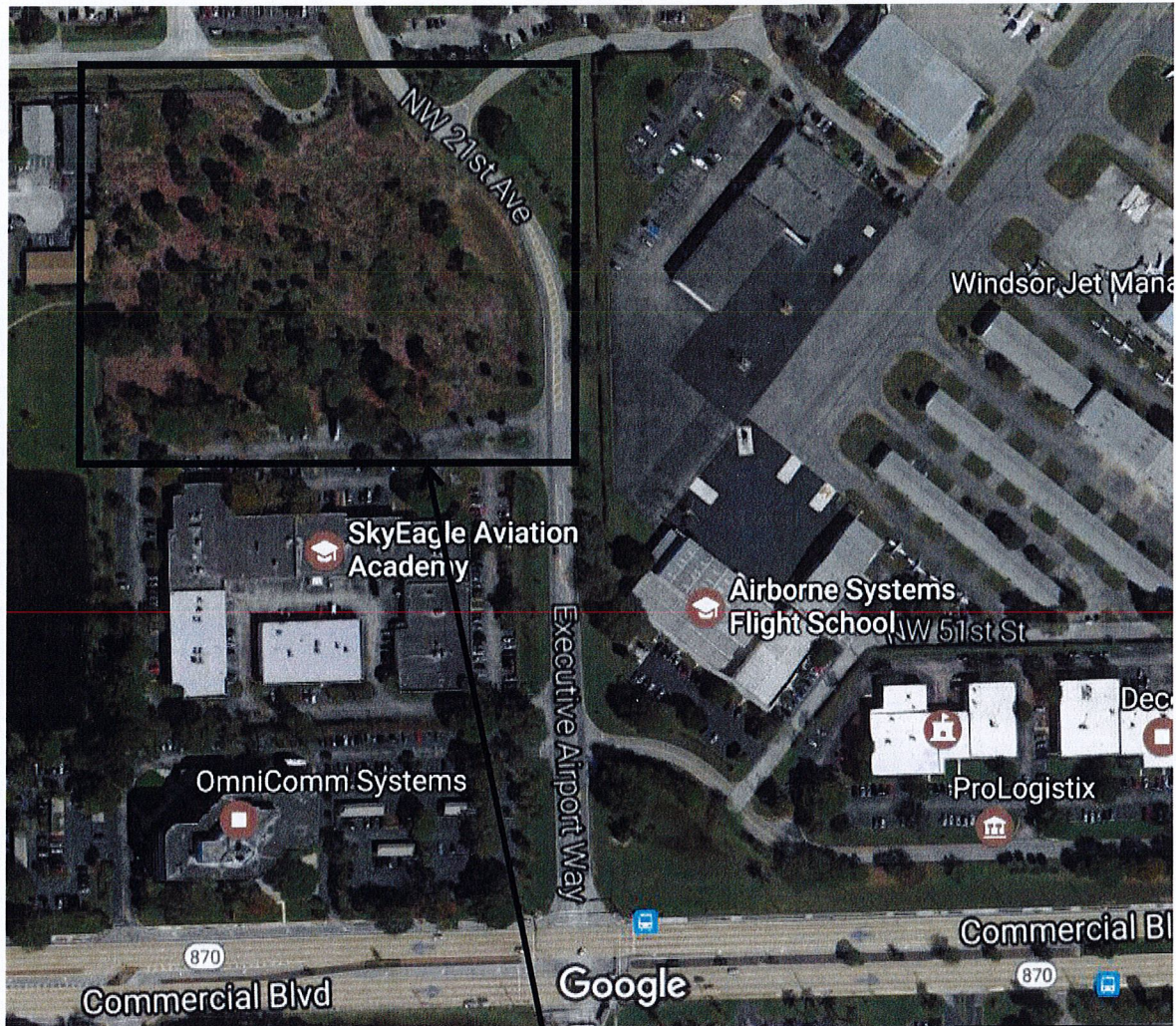
TASK DESCRIPTION	SENIOR PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	SENIOR DESIGNER	SENIOR TECHNICIAN	TOTAL HOURS	TOTAL COST
CHEN MOORE and ASSOCIATES							
DESIGN SERVICES (STORMWATER DRAINAGE)							
60% DESIGN SUBMITTAL	2	5	8	5	20	40	\$3,710.25
90% DESIGN SUBMITTAL	2	5	8		15	30	\$2,817.75
REGULATORY PERMITTING	2	10	15		5	32	\$3,230.00
FINAL DESIGN SUBMITTAL	2	5	5		10	22	\$2,146.25
TOTAL - TASK 1							\$11,904.25
SUBTOTAL HOURS	8	25	36	5	50	124	
TOTAL FEE ESTIMATE							\$11,904.25
Hourly Rates (FY 2015)	\$148.75	\$119.00	\$89.25	\$97.75	\$80.75		

FXE 300 Space(s) Vehicle / Storage Lot Project Design. HILLERS ELECTRICAL ENGINEERING, INC. SCOPE FEE SUMMARY FEE PROPOSAL ELECTRICAL DESIGN to HDR 2-16-17							
	Rate	\$135.00	\$125.00	\$115.00	\$70.00	\$60.00	
	Proj. Mgr.	Prof. Eng	Proj. Eng	CADD/Tech	Clerical	Total	TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	TASK COST
Design							
Dsgn Mtgs. FXE, FPL, City, HDR Team	1	6	6		1	14	\$1,635.00
On-site Verification Visits		8	8		1	17	\$1,980.00
FPL Main Electrical Service Design Coordination	1	4	8	2		15	\$1,695.00
LOT Lighting Calculations Site Approval Plans	1	4	10	8		23	\$2,345.00
LOT Elec.&Light Systems Design Permit Plans	4	20	40	20	2	86	\$9,160.00
Main FXE Fiber Network Design Coordination	1	4	8	4		17	\$1,835.00
Main FXE Fiber Network Design Permit Plans	2	16	24	20	2	64	\$6,550.00
Specifications & Bid Items & Cost Estimates	2	24	8		20	54	\$5,390.00
Total	12	86	112	54	26	290	\$30,590.00

**TIERRA SOUTH FLORIDA, INC.
UNIT RATE FEE SCHEDULE**

	Unit	# of Units	Unit Price			Total
FIELD INVESTIGATION						
Mobilization of Men and Equipment						
Truck-Mounted Equipment	LS	1	\$	350.00	\$	350.00
Support Vehicle	DAY	1	\$	150.00	\$	150.00
Standard Penetration Test Borings (By Truck-Mounted Equipment)						
Land: 0 - 50 ft depth	L.F.	120	\$	12.00	\$	1,440.00
Field Permeability Tests						
	Test	4	\$	300.00	\$	1,200.00
LABORATORY TESTING						
Natural Moisture Content Tests	Test	6	\$	10.00	\$	60.00
Grain-Size Analysis - Full Gradation	Test	3	\$	65.00	\$	195.00
Atterberg Limit Tests	Test	3	\$	75.00	\$	225.00
LBR	Test	6	\$	275.00	\$	1,650.00
Proctor Test a) Modified	Test	3	\$	108.00	\$	324.00
ENGINEERING/COORDINATION/MANAGEMENT						
Project Manager	Hour	1	\$	165.00	\$	165.00
Senior Engineer	Hour	2	\$	125.00	\$	250.00
Project Engineer	Hour	8	\$	100.00	\$	800.00
Senior Technician	Hour	4	\$	75.00	\$	300.00
CADD	Hour	4	\$	75.00	\$	300.00
				\$		7,409.00

EXHIBIT B



PROJECT LOCATION