

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date:	November 20, 2018	<input checked="" type="checkbox"/>	Consent	<input type="checkbox"/>	Regular
		<input type="checkbox"/>	Workshop	<input type="checkbox"/>	Public Hearing

Department:	Engineering & Public Works Department
Submitted By:	Roadway Production Division
Submitted For:	Roadway Production Division

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: a task order to the Intersection Improvements Annual Contract R2017-0779 with HSQ Group, Inc., (HSQ) in the amount of \$259,207.99 for professional services for the Okeechobee Boulevard and Jog Road intersection improvements (Project).

SUMMARY: Approval of this task order will provide the professional services necessary for the preparation of design plans and construction bid documents for the Project. The Project will extend the westbound left turn lane and will add a third northbound to westbound left turn lane by shifting Jog Road to the west, south of Okeechobee Boulevard. Additionally, the Project will extend the southbound right turn lane, realign the southbound through lanes and add a third southbound through lane. The Small Business Enterprise (SBE) goal for all contracts is 15%. HSQ committed to 75% SBE participation for the annual contract. They propose 82.72% SBE participation for this task order. HSQ is a Palm Beach County (County) based company and a certified SBE company. District 2 (LBH)

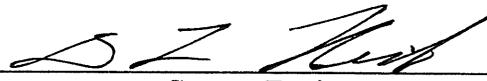
Background and Justification: On June 20, 2017, the Board of County Commissioners (BCC) approved Annual Contract R2017-0779 with HSQ to provide professional services required for intersection improvements throughout the County. The County now desires HSQ to prepare design plans and construction bid documents for the Project as detailed in Exhibit "A" of the attached task order. The fee, as detailed in Exhibit "A" of the attached task order, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$239,345.43	(Master Plan, Geometry, Roadway Analysis and Plans, Drainage Analysis and Plans, Utilities Coordination, Survey, Permitting, Signing and Pavement Marking, Structures, Signal Analysis and Plans).
Reimbursable Services (Not to Exceed)	\$ 1,420.00	(Permit Fees, Prints).
Optional Services (Not to Exceed)	\$ <u>18,442.56</u>	(Post Design, Structural Post Design).
Total:	\$259,207.99	

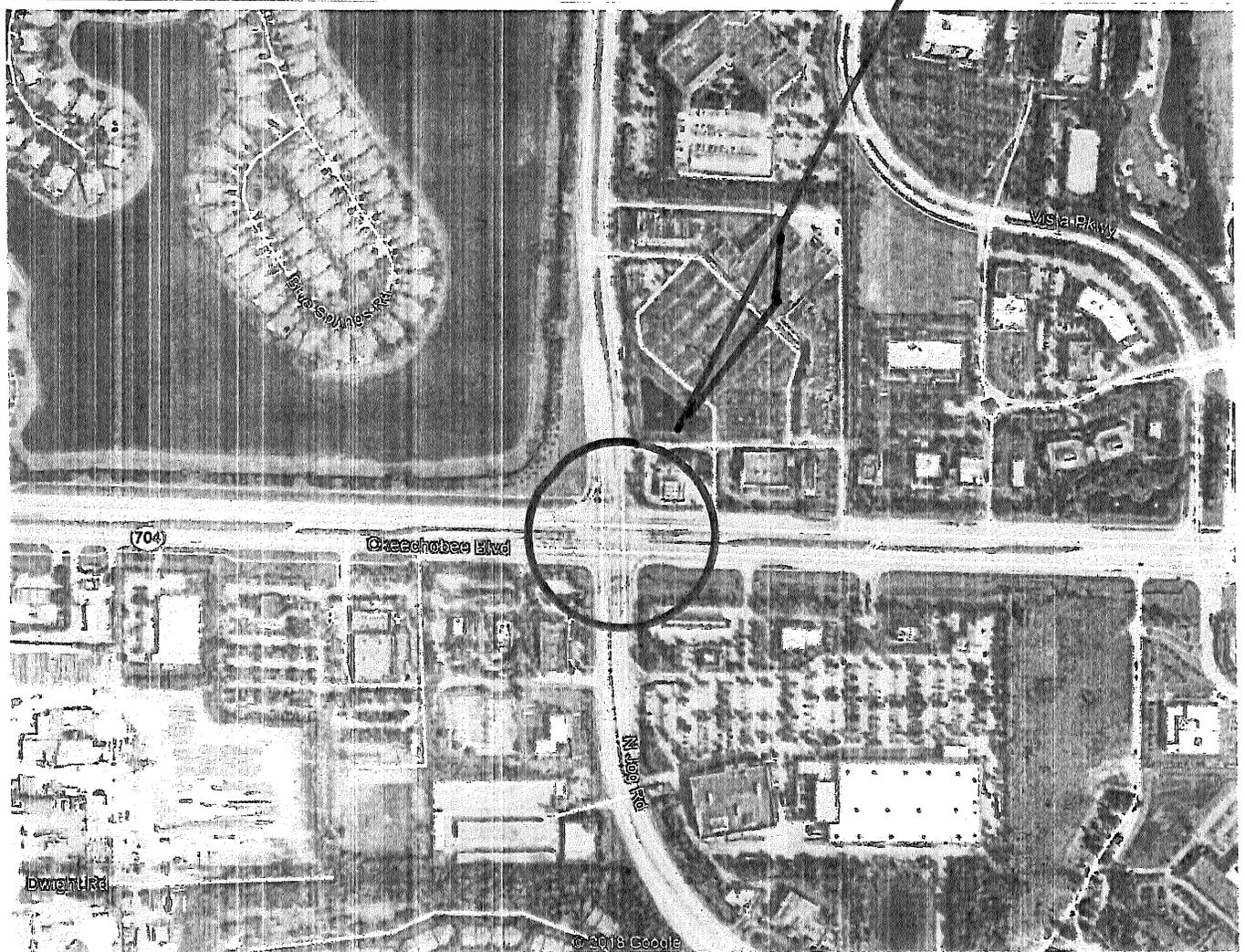
After reviewing the attached task order for professional services and finding it in proper order, the Engineering Department recommends BCC approval.

Attachments:

1. Location Sketch
2. Task Order with Exhibits "A", "B" and "C" and Certificates of Insurance (2)
3. Project Work Schedule

Recommended by: 		14 OCT 2018
	County Engineer	Date
Approved By: 		10/25/18
	Assistant County Administrator	Date

Okeechobee Boulevard and Jog Road
Intersection Improvements
Palm Beach County Project No. 2016509C



LOCATION SKETCH

WORK TASK ORDER TO ANNUAL CONTRACT BETWEEN

**PALM BEACH COUNTY
AND
HSQ GROUP, INC.**

FOR PROFESSIONAL ENGINEERING SERVICES ON

**OKEECHOBEE BOULEVARD AND JOG ROAD
INTERSECTION IMPROVEMENTS**

**PROJECT NO.: 2016509C
PALM BEACH COUNTY, FLORIDA**

THIS WORK TASK ORDER TO THE ANNUAL CONTRACT, made and entered into this day of _____ 2018, by and between **Palm Beach County (COUNTY)**, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners, and **HSQ Group, Inc.**, a Florida Corporation with an address of 1001 Yamato Road, Suite 105, Boca Raton, Florida 33431, hereinafter called the **CONSULTANT**.

WITNESSETH

WHEREAS, the **COUNTY** and **CONSULTANT** entered into an Annual Contract for intersection improvements on a task order basis on June 20, 2017 (R2017-0779); and

WHEREAS, the **COUNTY** desires the **CONSULTANT** to perform services for the Okeechobee Boulevard and Jog Road Intersection Improvements (**PROJECT**); and

WHEREAS, the **CONSULTANT** agrees to prepare the design plans and construction bid documents, including related documents required for the **PROJECT**; and

**Re: OKEECHOBEE BOULEVARD AND JOG ROAD INTERSECTION IMPROVEMENTS
Project No.: 2016509C**

WHEREAS, the CONSULTANT and the COUNTY mutually agree to amend SECTION 7.1 – TERMINATION; SECTION 9 – CRIMINAL HISTORY RECORDS CHECK; SECTION 12 – NONDISCRIMINATION; AND SECTION 20 – SCRUTINIZED COMPANIES for the PROJECT; and

WHEREAS, the following fee has been negotiated and found to be reasonable compensation for these professional services to be performed by the CONSULTANT:

Basic Services in a lump sum fee of \$239,345.43;

Reimbursable Expenses capped at \$1,420.00;

Optional Services capped at \$18,442.56;

Totaling \$259,207.99

NOW, THEREFORE, THIS INDENTURE WITNESSETH: That for and in consideration of the mutual benefits to flow from each to the other, the parties hereto agree as follows:

1. The **CONSULTANT** agrees to provide professional services as described in **Exhibit "A"** of this Work Task Order known as "SCOPE OF WORK & FEE".
2. The **CONSULTANT** agrees to "CERTIFICATION" statements as described in **Exhibit "B"** of this Work Task Order.
3. The **CONSULTANT** agrees to Small Business Enterprise (SBE) Participation, described in **Exhibit "C"** of this Work Task Order.
4. The **COUNTY** agrees to pay the **CONSULTANT** a fee of Two Hundred Fifty-Nine Thousand Two Hundred Seven Dollars and Ninety-Nine Cents (\$259,207.99).
5. **SECTION 7.1 - TERMINATION**

This **CONTRACT** may be terminated by the **CONSULTANT** upon sixty (60) days prior written notice to the **COUNTY** in the event of substantial failure by the **COUNTY** to perform in accordance with the terms of this **CONTRACT** through no fault of the **CONSULTANT**. It may also be terminated, in whole or in part, by the **COUNTY**, with cause upon five (5) business days written notice to the **CONSULTANT** or without cause upon ten (10) business days written notice to the **CONSULTANT**. Unless the **CONSULTANT** is in breach of this **CONTRACT**, the **CONSULTANT** shall be paid for services rendered to the **COUNTY'S** satisfaction through the date of termination. After receipt of a Termination Notice, except as otherwise directed by the **COUNTY**, in writing, the **CONSULTANT** shall:

Re: OKEECHOBEE BOULEVARD AND JOG ROAD INTERSECTION IMPROVEMENTS
Project No.: 2016509C

- A. Stop work on the date and to the extent specified.
- B. Terminate and settle all orders and subcontracts relating to the performance of the terminated work.
- C. Transfer all work in process, completed work, and other materials related to the terminated work to the **COUNTY**.
- D. Continue and complete all parts of the work that have not been terminated.

6. SECTION 9 - CRIMINAL HISTORY RECORDS CHECK

The **CONSULTANT**, **CONSULTANT'S** employees, subcontractors of **CONSULTANT** and employees of subcontractors shall comply with Palm Beach County Code, Section 2-371 - 2-377, the Palm Beach County Criminal History Records Check Ordinance ("Ordinance"), for unescorted access to critical facilities ("Critical Facilities") or criminal justice information facilities ("CJI Facilities") as identified in Resolution R-2003-1274, as amended. The **CONSULTANT** is solely responsible for the financial, schedule, and/or staffing implications of this Ordinance. Further, the **CONSULTANT** acknowledges that its **CONTRACT** price includes any and all direct or indirect costs associated with compliance with this Ordinance, except for the applicable FDLE/FBI fees that shall be paid by the **COUNTY**.

This **CONTRACT** may include sites and/or buildings which have been designated as either "critical facilities" or "criminal justice information facilities" pursuant to the Ordinance and Resolution R2003-1274, as amended. **COUNTY** staff representing the **COUNTY** department will contact the **CONSULTANT(S)** and provide specific instructions for meeting the requirements of this Ordinance. Individuals passing the background check will be issued a badge. The **CONSULTANT** shall make every effort to collect the badges of its employees and its subcontractors' employees upon conclusion of the **CONTRACT** and return them to the **COUNTY**. If the **CONSULTANT** or its subcontractor(s) terminates an employee who has been issued a badge, the **CONSULTANT** must notify the **COUNTY** within two (2) hours. At the time of termination, the **CONSULTANT** shall retrieve the badge and shall return it to the **COUNTY** in a timely manner.

The **COUNTY** reserves the right to suspend the **CONSULTANT** if the **CONSULTANT** 1) does not comply with the requirements of County Code Section 2-371 - 2-377, as amended; 2) does not contact the **COUNTY** regarding a terminated **CONSULTANT** employee or subcontractor employee within the stated time; or 3) fails to make a good faith effort in attempting to comply with the badge retrieval policy.

7. SECTION 12 - NONDISCRIMINATION

The **COUNTY** is committed to assuring equal opportunity in the award of contracts and complies with all laws prohibiting discrimination. Pursuant to Palm Beach County Resolution R2017-1770, as may be amended, the **CONSULTANT** warrants and represents that throughout the term of the **CONTRACT**, including any renewals thereof, if applicable, all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status, familial status, sexual orientation, gender identity or expression, or genetic information. Failure to meet this requirement shall be considered default of the **CONTRACT**.

**Re: OKEECHOBEE BOULEVARD AND JOG ROAD INTERSECTION IMPROVEMENTS
Project No.: 2016509C**

8. SECTION 20 - SCRUTINIZED COMPANIES

A. As provided in F.S. 287.135, by entering into this **CONTRACT** or performing any work in furtherance hereof, the **CONSULTANT** certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies that boycott Israel List, or is engaged in a boycott of Israel, pursuant to F.S. 215.4725.

B. **When contract value is greater than \$1 million:** As provided in F.S. 287.135, by entering into this **CONTRACT** or performing any work in furtherance hereof, the **CONSULTANT** certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies With Activities in Sudan List or Scrutinized Companies With Activities in The Iran Petroleum Energy Sector List created pursuant to F.S. 215.473 or is engaged in business operations in Cuba or Syria.

If the **COUNTY** determines, using credible information available to the public, that a false certification has been submitted by **CONSULTANT**, this **CONTRACT** may be terminated and a civil penalty equal to the greater of \$2 million or twice the amount of this **CONTRACT** shall be imposed, pursuant to F.S. 287.135. Said certification must also be submitted at the time of **CONTRACT** renewal, if applicable.

Except as hereby amended, changed or modified, all other terms, conditions and obligations of the **CONTRACT** dated June 20, 2017 (R2017-0779), as amended on May 1, 2018 (R2018-0635), shall remain in full force and effect.

REMAINDER OF PAGE LEFT BLANK INTENTIONALLY

Re: OKEECHOBEE BOULEVARD AND JOG ROAD INTERSECTION IMPROVEMENTS
Project No.: 2016509C

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

OWNER:
Palm Beach County, Florida, a
Political Subdivision of the
State of Florida

CONSULTANT:
HSQ Group, Inc.
a Florida Corporation

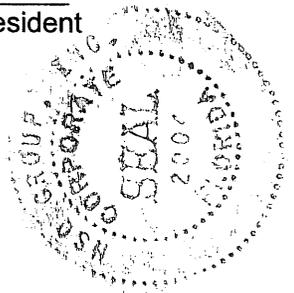
BOARD OF COUNTY COMMISSIONERS

BY: _____
~~Melissa McKinlay~~, Mayor

BY: _____
Nour Shehadeh, P.E., Vice President

SEAL

CORPORATE SEAL



ATTEST:
Sharon R. Bock, Clerk & Comptroller
Circuit Court

ATTEST WITNESS:

BY: _____
(Print Name)

BY: Jay Huebner
(Print Name)

Jay Huebner
(Signature)

(Signature)

BY: Beth Ann Shay
(Print Name)

Beth Ann Shay
(Signature)

**APPROVED AS TO TERMS
AND CONDITIONS:**

BY: Omelio A. Fernandez
Omelio A. Fernandez, P.E.
Director of Roadway Production

**APPROVED AS TO FORM &
LEGAL SUFFICIENCY:**

BY: _____
Yelizaveta B. Herman,
Assistant County Attorney



HSQ GROUP, INC.

Engineers • Planners • Surveyors

1001 Yamato Road, Suite 105 • Boca Raton, Florida 33431 • Phone (561) 392-0221 hsqgroupinc.com

SCOPE OF SERVICES

**Okeechobee Blvd and Jog Road
Palm Beach County Project No. 2016509C**

*OK
M.A. [Signature]
8-7-18*

PROJECT LIMITS

HSQ Group, Inc., will provide engineering and surveying services required in connection with the proposed improvements to the intersection of Okeechobee Blvd and Jog Road. The limits of the project will be as follow:

- 1- Approximately 850' south and 1600' north of the centerline of Okeechobee Blvd.
- 2- Approximately 200' west and 850' east of the centerline of Jog Rd

PROJECT DESCRIPTION

Services shall include preparation of complete roadway construction plans. Also services will include signal design, drainage, curb and gutter, sidewalk, and signing and pavement marking. The existing lane configuration of the intersection is as follows:

- Northbound: 2 left turn lanes +3 thru lanes + bike lane + 1 right turn lane.
- Southbound: 2 left turn lanes +3 thru lanes + bike lane + 1 hot right turn lane.
- Eastbound: 2 left turn lanes +4 thru lanes + bike lane + 1 right turn lane.
- Westbound: 2 left turn lanes +4 thru lanes + bike lane + 1 right turn lane.

The scope consists of the following improvements that will be done in two phases.

Phase I

- 1- Extend the existing westbound left to the east up to the first directional median opening.
A separate set of construction and permitting plans will be prepared for this phase.

Phase II

A separate set of construction and permitting plans will be prepared for this phase

- 1. Add a third northbound left to westbound by shifting the road to the west, south of Okeechobee Blvd.
- 2- Close the median opening at the Publix Plaza south of Okeechobee Blvd.
- 3- Evaluate the need for additional right of way at the southwest corner of Okeechobee Blvd and Jog Road.
- 4- Extend the southbound right turn lane storage to be as per the approved master plan that was prepared by HSQ Group, Inc.
- 5- Realign the southbound lanes due to introducing the third northbound left.
- 6- Add a third southbound thru starting at the directional median opening in front of the County's Building.

Due to limited available right of way at the intersection, the lane widths can be 11' and the traffic separator can be reduced to 7' from edge of pavement to edge of pavement. The county requested that the widening, to accommodate the third northbound left turn lane, be accomplished at the west side of the road. However, the existing southbound hot right turn lane must be kept in the final design. The shift thru the intersection will be limited to no more than 45:1

Palm Beach County Traffic Division will provide HSQ with the needed length for the triple northbound left turn lanes.

Jog road and Okeechobee Rd



HSQ GROUP, INC.

Engineers • Planners • Surveyors

1001 Yamato Road, Suite 105 • Boca Raton, Florida 33431 • Phone (561) 392-0221 hsqgroupinc.com

Plans will be prepared in accordance with the following standards:

- Palm Beach County, Thoroughfare Roadway Design Procedures (February 2006), and T-P-13
- FDOT Design Standard dated 2014
- AASHTO "Geometrics Design of Highway and Streets", dated 2009
- Florida Greenbook, May 2016.
- FDOT Drainage Manual 2014.

BASIC SERVICES

1 Plans Preparation.

Roadway plans with aerial background will be prepared in accordance with the approved Typical Section, and the approved master plan sketch that was prepared by HSQ Group, Inc.

Construction plans will be prepared on 11" x 17" at 1"=40' scale for the horizontal and 1"=4' for the vertical. Separate plan and profile sheets will be prepared.

The following plan sheets are anticipated:

- 1- Cover Sheet
- 2- General notes
- 3- Typical sections
- 4- Miscellaneous details
- 5- Summary of pay item
- 6- Reference points.
- 7- Project Network Control sheets
- 8- Roadway Plans
- 9- Roadway Profiles.
- 10- Drainage Structures
- 11- Cross sections

Plan submittals will be at **(master plan, 35%, 65%, 96%, 100% and final)**. Plan submittal shall also be made in hard copies and electronically.

2 Permitting

HSQ will prepare and process needed documents for permitting from the following agencies:

- South Florida Water Management District:
 - 1- Modify existing ERP permits for Jog Rd south of Okeechobee Blvd.
 - 2- Modify existing ERP permit for Jog Rd north of Okeechobee Blvd.
 - 3- Modify existing ERP permit for Okeechobee Blvd.
- FDOT- signal, roadway plans, drainage.

3 Utilities coordination

HSQ Group, Inc. will assist Palm Beach County in the utility coordination effort as follows:

- 1- Attend four utility coordination meetings, prepare meeting minutes and follow up on action items.



HSQ GROUP, INC.

Engineers • Planners • Surveyors

1001 Yamato Road, Suite 105 • Boca Raton, Florida 33431 • Phone (561) 392-0221 hsqgroupinc.com

- 2- Plot utility information on plans for inclusion in the construction plan package.
- 3- Prepare utility conflict matrix and coordinate with utility owners.

4 Drainage Design

The drainage design will be to add and/or modify existing drainage inlets, and evaluation of the impact of the additional impervious areas on the existing interconnected underground pipes and prepare needed construction plans.

The design and preparation of drainage plans will be accomplished in substantial conformance with SFWMD. A drainage design memorandum will be prepared to document the design.

The following drainage systems will be impacted:

- a- Existing drainage system from Okeechobee Blvd to 2.15 miles north of Okeechobee Blvd. Instead of conducting pipe sizing analyses for this long stretch of Jog Rd. we will assume that the pipe at the connection point where new inlets will be added is flowing full and that will be the tail water.
- b- Existing drainage system from Florida's Turnpike to Jog Road discharges into the existing dry retention areas north of the Fl Turnpike. Since the project was permitted for the six lanes, the additional impervious area will be evaluated for any possible impact on the existing dry retention. For pipe sizing we will make the same assumption as stated under item "a" above.
- c- The existing drainage system at Okeechobee Blvd will be analyzed

5 Pavement Marking and Signing Plans

Pavement marking and Signing Plans will be prepared to conform to the proposed roadway improvements in accordance with Palm Beach County Standards. These plans will be prepared as a separate set of documents as follows:

- 1- Cover sheet.
- 2- General notes
- 3- Summary of quantity sheets
- 4- Plan sheets

7 Signal Design services.

See attached scope of services from Stanley Consultant.

Reimbursable Services

1 Geotechnical services

We do not see the need for geotechnical services at this stage.

- 2 Potholing. Utility owners will be responsible for obtaining the location of their utilities and provide the information to HSQ

~~X~~ Optional Services

- 1 Post design Services. HSQ will provide post design services as needed during the construction phase.



Okeechobee Blvd and Jog Road
Summary of fee proposal

ACTIVITY	SENIOR ENGINEER		PROJECT MANAGER		ENGINEER INTERN		Project Engineer		Total	Total
	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HRS. ACTIVITY	COST BY ACTIVITY
1 - MASTER PLAN / GEOMETRY	21.10	\$ 58.35	105.50	\$ 51.50	67.52	\$ 32.18	16.88	\$ 42.23	211.00	\$ 9,550.08
2 - ROADWAY ANALYSIS/ GENERAL TASKS	15.80	\$ 58.35	15.80	\$ 51.50	102.70	\$ 32.18	23.70	\$ 42.23	158.00	\$ 6,041.37
3 - DRAINAGE ANALYSIS	27.20	\$ 58.35	68.00	\$ 51.50	40.80	\$ 32.18	0.00	\$ 42.23	136.00	\$ 6,402.06
4 - ROADWAY PLANS	42.90	\$ 58.35	85.80	\$ 51.50	278.85	\$ 32.18	21.45	\$ 42.23	429.00	\$ 16,801.14
5 - DRAINAGE PLANS	3.90	\$ 58.35	15.60	\$ 51.50	19.50	\$ 32.18	0.00	\$ 42.23	39.00	\$ 1,658.48
6 - UTILITIES COORDINATION	0.00	\$ 58.35	17.20	\$ 51.50	60.20	\$ 32.18	8.60	\$ 42.23	86.00	\$ 3,186.21
7 - PERMITTING	0.00	\$ 58.35	156.00	\$ 51.50	39.00	\$ 32.18	0.00	\$ 42.23	195.00	\$ 9,289.02
8 - SIGNING & PAVEMENT MARKING	0.00	\$ 58.35	14.20	\$ 51.50	127.80	\$ 32.18	0.00	\$ 42.23	142.00	\$ 4,843.90
TOTAL Basic Services	110.90	\$ 6,471.02	478.10	\$ 24,622.15	736.37	\$ 23,696.39	70.63	\$ 2,982.70	1,396.00	\$ 57,772.26
9 - OPTIONAL SERVICES	4.00	\$ 58.35	28.00	\$ 51.50	8.00	\$ 32.18	0.00	\$ 42.23	40.00	\$ 1,932.84

\$ 233.40 \$ 1,442.00 \$ 257.44

HSQ FEE CALCULATIONS

Type of services	Cost by activity	Overhead multiplier	Overhead cost	Subtotal (cost by activity + overhead cost)	Profit (%)	subtotal profit	TOTAL
Basic ROADWAY services (HSQ)	\$ 57,772.26	145.48%	\$ 84,047.08	\$ 141,819.34	12.00%	\$ 17,018.32	\$ 158,837.66
Optional ROADWAY services (HSQ)	\$ 1,932.84	145.48%	\$ 2,811.90	\$ 4,744.74	12.00%	\$ 569.37	\$ 5,314.11
Basic SURVEY services (HSQ)							\$ 48,851.47
Optional SURVEY services (HSQ)							
Basic signal design (HSQ)							
Reimbursables Reproduction and permit fees (HSQ)							\$ 1,420.00

* 2,749 multiplier

(SUB-CONSULTANTS)

Type of Services	Sub-Consultants			Sub total
	Stanley Signal	Stanley structural post design		
Basic Services	\$ 31,656.30			\$ 31,656.30
Optional Services		\$ 13,128.45		\$ 13,128.45
REIMBURSABLES (Geotechnical services)				\$

PROJECT TOTAL FEES SUMMARY

Total Basic Services	\$ 239,345.43	HSQ (Design and survey)
Total Optional Services	\$ 18,442.56	HSQ AND STANLEY
REIMBURSABLES	\$ 1,420.00	reproduction and permit fees
GRAND TOTAL	\$ 259,207.99	HSQ AND SUB

Okeechobee Blvd and Jog Road

1 - MASTER PLAN / GEOMETRY

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1.1 Typical sections	EA	3	4	1	12	prepare 3 sections (1 on Okeechobee Blvd and 2 on Jog Rd)
1.2 Road layout and geometry	LS	1	175	7	175	includes the creation of the master plan in cadd since the one that was approved was a sketch that was not based on survey + dealing with superelevation south of Okeechobee Blvd and the "S" curve north of Okeechobee Blvd. + design the intersection so that no deflection is more than 45:1 thru the intersection + extend the westbound turn lanes at Okeechobee Blvd. Submit the master plan for approval of roadway geometry. total project length is 0.67 miles
1.3 Meeting with the county	EA	1	4		4	including meeting minutes
1.4 Right of way coordination	LS	1	20		20	for anticipated additional right of way at the southwest corner of the intersection
TOTAL				8	211	

2 - ROADWAY ANALYSIS/ GENERAL TASKS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
2.1 Establish existing PGL	LS	1	40		40	for LT/RT PGL including superelevation
2.2 Progress review meeting with the county	EA	3	5		15	35%+65% and final
2.3 Establish proposed EOP profiles, LT and RT	LS	1	30		30	
2.4 design documentations	LS	1	20		20	
2.5 Quantity computation book	LS	1	35		35	to be prepared at final plans ONLY
2.6 Construction cost estimates	EA	2	4		8	96% and Final
2.7 Field reviews	EA	2	5		10	for the purpose of constructability reviews. 2 people
TOTAL					158	

Exhibit "A" - Page 5 of 25

3 - DRAINAGE ANALYSIS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
3.1 Design of storm sewer PIPE SIZING	EA	6	3		18	assume 3 new structures that will tie to Jog Rd drainage 3 on Okeechobee Blvd
3.2 Review existing permits for drainage commitments	EA	4	5		20	Review is needed to confirm any DE or drainage obligations
3.3 Design of exfiltration system	EA	3	8		24	assume 3 systems, 1 at Okeechobee Blvd and 2 on Jog Rd
3.4 Design of control structures	EA	1	8		8	
3.5 Pavement spread analyses	EA	8	2		16	5 STRUCTURES including superelevated section
3.6 Drainage design report	EA	2	25		50	one report will be prepared for FDOT and one for the SFWMD
TOTAL					136	

4 - ROADWAY PLANS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Key sheet	Sheet	2	4	1	8	
2 General notes	Sheet	2	4	1	8	
3 Typical sections	sheet	2	10	1	20	
4 Misc details	Sheet	2	12	1	24	
5 Summary of quantities	Sheet	2	14	1	28	for both phases
6 Ref points/ PNC sheets	Sheet	2	5	2	10	
7 Road plans	Sheet	7	16	2	112	total length 2450' @ 40 scale /560' = 5 sheets + 2 at Okeechobee Blvd
8 Road profiles	Sheet	7	14	2	98	
9 driveway profile	Sheet	2	6	1	12	south of Okeechobee, at the west side of Jog
10 Roadway cross sections	EA	35	3	12	105	
11 soil data sheet	EA	2	2	2	4	
TOTAL				26	429	

Exhibit "A" - Page 6 of 25

5 - DRAINAGE PLANS

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Drainage Maps with, plan/prof	Sheet	1	0	1	0	
2. Drainage Structures	EA	5	3	5	15	
3. misc details	EA	2	12	1	24	
TOTAL					39	

6 - UTILITIES COORDINATION

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Initial Utility Contact	LS	1	4		4	
2. Follow up with county / provide CADD and PDF files to utilities as needed	LS	1	4		4	
3. Submit plans all phases	EA	4	1		4	PDF will be submitted for utility coordination
4. Review of Exist. Records	LS	1	10		10	both phases
5. Resolution of utilities conflicts	LS	1	36		36	both phases
6. coordination of potholes, meetings	EA	4	1		4	both phases
7. utility adjustment sheets	EA	0	0	2	0	
8. Coordination meetings	EA	4	6		24	4 meeting with minutes
TOTAL					86	

7 - PERMITTING

TASK	BASIS OF ESTIMATE	NO. OF UNITS	HOURS/ UNIT	NO OF SHEETS	TOTAL HOURS	REMARKS
1. Agency coord/ Pre-application meeting	EA	2	5		10	
2. Prepare and process ERP for three permits	EA	3	35		105	
3. FDOT, (drainage, signal, general permit)	LS	1	80		80	this task requires a lot of coordination and revisions, preparation of construction agreement/processing. cost estimates
TOTAL					195	

Exhibit "A" – Page 7 of 25



HSQ GROUP, INC.
Engineers • Planners • Surveyors

Jog Rd and Okeechobee Blvd
Summary of Reimbursable charges
County project number 2016509C

Reproduction and printing

Item	Description	Quantity	Unit	Unit price	Total	Notes
Photo copies (8 1/2" x 11" black / white)	Correspondences		page	\$ 0.10	\$ -	
	Design computation reports		page	\$ 0.10	\$ -	
	Quantity computation books		page	\$ 0.10	\$ -	
Photo copies (8 1/2" x 11" color)	Misc. copies in color		page	\$ 1.00	\$ -	
Photo copies (11" x 17" black and white)	Typical section package		page	\$ 0.25	\$ -	
	Utility submittals		page	\$ 0.25	\$ -	
	Plans for permits, Inc. FDOT		page	\$ 0.25	\$ -	
	County review	300	page	\$ 0.25	\$ 75.00	
	Final plans	300	page	\$ 0.25	\$ 75.00	
Photo copies (11" x 17" color)	Misc. copies in color	0	page	\$ 1.00	\$ -	
Exhibits (Color)	For county use in review	2	Each	\$ 100.00	\$ 200.00	
In person delivery/pickups	Each	4	Each	\$ 75.00	\$ 300.00	
CD's	Each	2	Each	\$ 10.00	\$ 20.00	
Subtotal					\$ 670.00	

Permitting

Agency	Amount	Notes
LWDD	\$ -	BRIDGE
LWDD	\$ -	CULVERT
LWDD DRAINAGE ASSUME 3 CONTROL STRUCTURES	\$ -	ERP
PBC ERM	\$ -	
SFWM DEWATERING	\$ -	
FDEP NOI	\$ -	
WETLAND DELINEATION AND AGENCY REVIEW WITH USACE	\$ -	
ERP MOD WITH SFWMD (3PERMITS)	\$ 750.00	
DREDGE AND FILL PERMIT WITH USACE	\$ -	
subtotal		\$ 750.00
Subtotal		\$ 1,420.00

Exhibit "A" - Page 9 of 25

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PERMIT APPLICATION FEE SCHEDULE

(Effective 10/1/2013)

Environmental Resource Permits

New Individual or Conceptual Permit (excludes Agriculture, Mitigation Bank)

- Project area < 10 acres; no wetlands; no boat slips \$ 2,000
- Project area < 10 acres; < 1 acre wetland or surface water; < 10 boat slips \$ 3,500
- Project area < 40 acres; < 3 acres wetlands or surface water; < 30 boat slips \$ 5,500
- Project area < 100 acres; < 10 acres wetlands or surface waters; < 50 boat slips \$ 7,500
- Project area < 640 acres; < 50 acres wetlands or surface waters; < 50 boat slips \$ 13,125
- Project area > 640 acres; > 50 acres wetlands or surface waters; > 50 boat slips \$ 25,000

New Individual Agriculture or Silviculture Permit

- Project area < 10 acres; < 1 acre wetland or surface water \$ 859
- Project area < 40 acres; < 3 acres wetlands or surface waters \$ 2,444
- Project area < 100 acres; < 10 acres wetlands or surface waters \$ 4,029
- Project area < 640 acres; < 50 acres wetlands or surface waters \$ 5,284
- Project area > 640 acres; > 50 acres wetlands or surface waters \$ 6,605

Individual or Conceptual Permit Major Modification (excludes Agriculture, Mitigation Bank)

- Project area < 10 acres; no wetlands; no boat slips \$ 1,200
- Project area < 10 acres; < 1 acre wetland or surface water; < 10 boat slips \$ 2,100
- Project area < 40 acres; < 3 acres wetlands or surface waters; < 30 boat slips \$ 3,300
- Project area < 100 acres; < 10 acres wetlands or surface waters; < 50 boat slips \$ 4,500
- Project area < 640 acres; < 50 acres wetlands or surface waters; < 50 boat slips \$ 7,875
- Project area > 640 acres; > 50 acres wetlands or surface waters; > 50 boat slips \$ 15,000

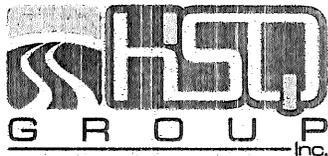
Individual Agriculture or Silviculture Permit Major Modification

- Project area < 10 acres; < 1 acre wetland or surface water \$ 515
- Project area < 40 acres; < 3 acres wetlands or surface waters \$ 1,466
- Project area < 100 acres; < 10 acres wetlands or surface waters \$ 2,417
- Project area < 640 acres; < 50 acres wetlands or surface waters \$ 3,170
- Project area > 640 acres; > 50 acres wetlands or surface waters \$ 3,963

Individual or Conceptual Permit Minor Modification (including Mitigation Banks)

- Time Extension of Permit (not associated with SB/HB) \$ 500
- Time Extension of Permit (associated with SB/HB) \$ 0
- Minor errors not requiring technical review \$ 0
- Transfer of ownership \$ 0
- Transfer from construction to operation phase \$ 0
- All other minor modifications (Letter Modification) \$ 250

3 permits to be modified x 250 = \$750



HSQ GROUP, INC.
Engineers • Planners • Surveyors
1001 Yamato Road, Suite 105
Boca Raton, Florida 33431
(561) 392-0221 Phone • (561) 392-6458 Fax

Exhibit "A" – Page 11 of 25

JOG ROAD & OKEECHOBEE BLVD.

Land Survey Scope of Services

February 21, 2018

PROJECT LIMITS

Jog Road: full r/w width from 930' south to 1790' north of centerline of Okeechobee Blvd. (2,720 l.f.)
Okeechobee Blvd.: full r/w width from 170' west to 850' east of centerline of Jog Road. (1,020 l.f.)
Total length of survey approximately 3,740 l.f.
See attached sketch of survey limits. (Sketch does not include areas of cross-section shots outside of r/w.)

SCOPE OF SERVICES

The Specific Purpose/Topographic Survey will be done in accordance with the current State of Florida Standards of Practice and the applicable portions of the Palm Beach County Thoroughfare Road Design Procedures (Feb. 2006) except as otherwise designated herein (i.e.: NAVD88 vertical datum).

1. Review a title search provided by Palm Beach County. Research and obtain plats and deeds from the Palm Beach County Property Appraiser's website and the FDOT Right-of-Way Map for Okeechobee Blvd. (S.R. 704) to establish the existing right-of-way, and compile the data into a base map. Consultant will advise the County of any apparent missing right-of-way documentation or of any apparent gaps or overlaps in the right-of-way per the documents provided.
2. Prepare a drawing showing the linework, width, and recording information of the right-of-way and easement documents provided, and submit the drawing to the county for review and confirmation of the existing right-of-ways.
3. Collect horizontal global positioning control monumentation and set control points every 600'± tied to Florida East Zone State Plane Coordinates (NAD 83, 1990 adjustment).
4. Collect published vertical benchmarks, run a closed level loop, and set benchmarks outside the limits of construction (NAVD 1988 datum) every 600'±.
5. Locate subdivision corners, section corners, and other existing control monuments that will assist in the determination of the location of the right-of-way lines and platted centerlines. Identify the existing control recovered and provide ties to the project baseline.
6. Locate above ground features with elevations (including walks, utilities, signage, striping, etc.) within the right-of-ways and within the adjacent 25' along the southwest quadrant. (Locations of features in the adjacent 25' of the other 3 quadrants is not included as agreed upon at the scope meeting.) (*This intersection has extremely heavy traffic.*)
7. Cross-section the right-of-ways at 100' intervals extending 25'± outside the right of way (but stopping at any walls). (*Okeechobee Blvd. at this intersection is 12 lanes wide with a median and Jog Road at this location is 9-10 lanes wide with a median. This intersection has extremely heavy traffic.*)
8. Locate the existing traffic signal poles and heads.
9. Locate trees within the right-of-way and the adjacent 25' at the southwest quadrant having a DBH of 4" or greater with size and type.
10. Obtain inverts and bottom of drainage structures within the right of way with pipe sizes and materials. Locate any drainage outfall and/or connection culverts.
11. Prepare a DTM (digital terrain model) of the site.
12. Establish baselines along Jog Road and Okeechobee Boulevard. Determine historical baselines from available PBCo and FDOT maps and tie to new baseline if different. Set baseline horizontal control points at begin, PC, PT, and end points. Set reference points to the baseline points (3 reference points each).
13. Prepare a Specific Purpose Survey consisting of:
 - labeled right-of-ways, easements, and adjacent parcels,
 - the existing features mentioned above with spot elevations,
 - on 11"x17" sheets at a scale of 1"=40',

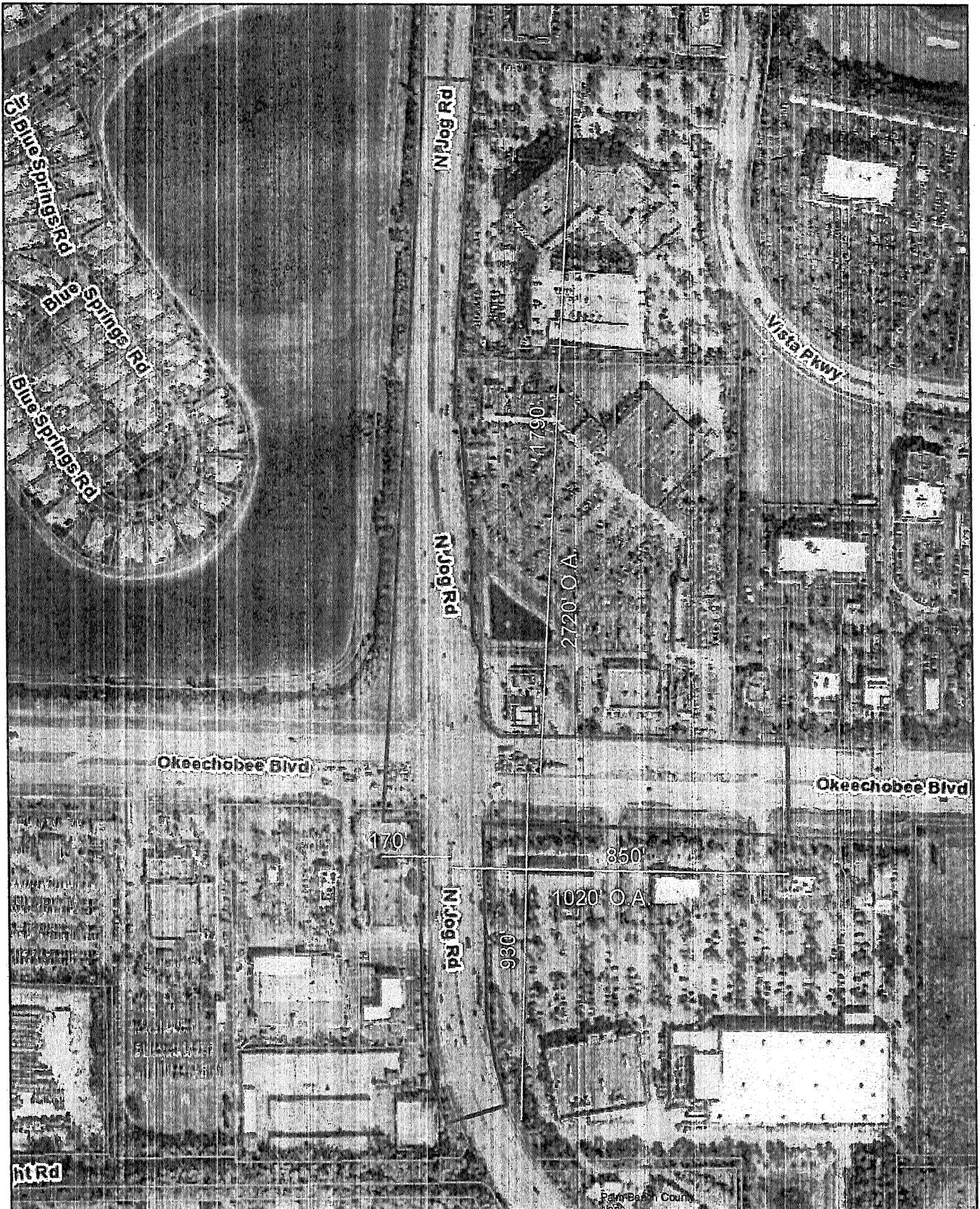
Exhibit "A" – Page 12 of 25

- PBCO published section corners and/or control monuments tied to baseline begin and end,
 - the found subdivision corners and/or other existing control monuments identified and tied to the baseline,
 - the control points (horizontal and vertical) set every 600'± outside of the baseline,
 - the drainage structure rim and invert data and apparent connections,
 - the monumentation set at the baseline points,
 - map of survey to be included in the plan set and signed and sealed by the surveyor.
14. Prepare Project Network Control Sheet (to include baseline data, PBCo control monuments, baseline monumentation, control points/benchmarks, notes, legend, etc.), and Reference Point Sheet to be included in plan set.
 15. Create deliverable Microstation files and points file.

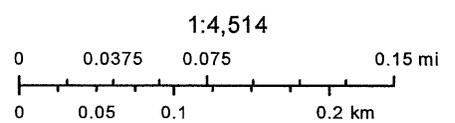
SURVEY DELIVERABLES

- 1- Map of right-of-way and easement documents (11"x17" sheets, 1"=40' scale).
- 2- Specific Purpose Survey (11"x17" sheets, 1"=40' scale).
- 3- Project Network Control Sheet(s) and Reference Point Sheet(s).
- 4- The SURVRD01 file in a Microstation cad format.
- 5- An ASCII file of points in terms of x,y,z, description.
- 6- A DTM in XML format for Microstation.

JOG RD. & OKEECHOBEE BLVD. Exhibit "A" – Page 13 of 25



February 6, 2018





JOG ROAD & OKEECHOBEE BOULEVARD
Summary - Surveying fee proposal

Description	Two-Man Field Crew		Senior Surveyor and Mapper		Surveyor and Mapper		Survey Technician		Total STAFF HRS. ACTIVITY	Total COST BY ACTIVITY
	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE	STAFF HOURS	HR. RATE		
Surveying Services	✓ 178.00	\$ ✓ 52.50	✓ 16.00	✓ 58.35	✓ 52	✓ 47.35	✓ 171	✓ 29.4	✓ 417	✓ 17768.2
		\$9,345.00		\$933.60		\$2,462.20		\$5,027.40		

HSQ FEE CALCULATIONS

Type of services	Cost by activity	Overhead multiplier	Overhead cost	Subtotal (cost by activity + overhead cost)	Profit (%)	Total
Surveying Services	\$ 17,768.20	✓ 145.48%	\$ 25,849.18	\$ 43,617.38 (+\$5,234.09)	✓ 12.00%	\$ 48,851.47
Optional Services	\$ -	145.48%	\$ -	\$ -	12.00%	\$ -
TOTAL						\$ 48,851.47

- 2.749 multiplier

JOG ROAD & OKEECHOBEE BOULEVARD

Land Surveying Services



HSQ GROUP, INC.

Engineers • Planners • Surveyors

Item No.	Work Task	Estimated Work Hours				Notes
		Two-Man Field Crew	Senior Surveyor and Mapper	Surveyor and Mapper	Survey Technician	
1	Review title search, property appraiser data, and FDOT R/W map, create base map of right-of-ways and adjoining parcels.			8	16	
2	Prepare drawing of right-of-way and easement documents provided, submit to county for review.		2	4	16	
3	Collect GPS control data & set control points.	14		2	2	
4	Collect benchmarks, run level loop, set project benchmarks.	14		2	2	
5	Locate subdivision, section, and existing corners.	8		2	2	
6	Locate above ground features with elevations	44	1	8	38	(Intersection has extremely heavy traffic and many lanes.)
7	Cross section r/w's @ 100' plus detail area @ 50'	48	1	12	40	(Okeechobee Blvd. is 12 lanes wide, Jog Rd. is 9/10 lanes wide)
8	Locate traffic signal poles & heads	4		1	2	
9	Locate trees within the survey area.	2		1	2	
10	Detail existing drainage within right-of-ways.	30	2	4	14	(approximately 35 structures)
11	Prepare specific purpose survey.		5	2	11	
12	Prepare DTM.			2	14	
13	Create, monument, & reference 2 baselines, & establish historical baseline(s)	14		1	4	
14	Prepare PNC & Reference Point sheets.		4	2	5	
15	Create deliverable Microstation files.		1	1	3	
TOTAL HOURS		✓ 178	✓ 16	✓ 52	✓ 171	

Exhibit "A" – Page 15 of 25



Jog Road and Okeechobee Blvd

Intersection improvements - Signalization Design Scope

Date: March 15, 2018

Stanley Consultants, Inc.

Project Description

Basic Services: Improvements are proposed for the Jog Road at Okeechobee Boulevard intersection in Palm Beach County (PBC). Modifications and widening are proposed on Jog Road to provide triple left turn lanes in the northbound direction. Due to the intersection improvements, an additional signal head will be needed in the northbound direction as well as shifting the existing signal heads in the northbound/southbound directions. Layout of existing signal heads and proposed new signal head will be provided. The proposed widening will impact the existing pedestrian signal pedestal in the SW quadrant of the intersection and require replacement. The existing loop detection system impacted by the milling and resurfacing will be replaced. The existing signal controller will be modified to incorporate the proposed signal improvements. Adding backplates to the signal heads (existing and proposed) is not proposed. The existing steel strain poles and existing internally illuminated signs are to remain. Video detection is not proposed for the intersection.

Stanley Consultants will review the original signal as-built plans and steel strain pole details provided by the County. The County will provide signal as-built plans and analysis reports for existing signals. Any additional data will be collected by Stanley Consultants. Span wire connection height pertaining to the steel strain pole system (not provided in as-builts) will be obtained by Stanley through field survey conducted by HSQ. The proposed signalization layout will be reviewed and approved by the County prior to performing the structural analysis of the steel strain poles. A structural analysis of the existing strain pole signal system to accommodate the proposed signal head layout using the design wind speed in place at the time the existing steel strain pole system was designed (120 MPH) will be performed. Assuming the strain pole system does not pass with the proposed layout an iterative structural analysis will be performed to determine the approximate wind speed the proposed signal system will fail. Stanley will perform analysis to determine which signal heads to be taken down when the wind load is projected to be above 70 mph.

* Optional Services: Optional services include performing three structural analysis alternatives. Alternative 1 includes performing a structural analysis for the proposed signal layout with the addition of backplates in the eastbound and westbound directions. The original design wind speed (120 MPH) for the existing system will be utilized. Alternative 2 includes performing a structural analysis for the proposed signal layout with the addition of backplates in all directions with the original wind speed of 120 MPH. Alternative 3 includes a structural analysis with the addition of backplates in all directions with identification of signal heads to be removed to meet the existing/original 120 MPH design wind speed.



Jog Road and Okeechobee Blvd

Intersection improvements - Signalization Design Scope

Date: March 15, 2018

Post design services will include providing responses to RFI's, shop drawing review and attendance by EOR for final acceptance meeting with Signal Contractor & PBC Traffic.

In summary, the Basic Services and Optional Services scope will include:

- Preparing Signal Plans to reflect signalization improvements to incorporate an additional northbound left turn lane (triple lefts total). Adjustments of the signal heads in the northbound and southbound directions is anticipated as well as a new pedestrian detector at the SW corner of the intersection.
- Structural analysis of the existing steel strain pole signal system using a modified version of the FDOT Strain Pole Program to accommodate the signal head layout using the original design wind speed in place at the time the existing steel strain pole system was designed (120 MPH). A structural analysis of the signal head loading to determine the approximate wind speed the signal system will fail will be performed. The ATLAS program can only analyze concrete strain poles, not steel strain poles. The FDOT STRAIN program can analyze both steel and concrete strain poles, but can only analyze single point cable attachment. The existing steel strain pole system has two-point attachment. Thus, structural analysis will require modification of the existing FDOT STRAIN program.
- Replace existing loop detection impacted by milling and resurfacing. No video detection is proposed.
- Coordination with Palm Beach County Traffic Division and responses to review comments from 65% and 96% submittals.
- Engineers Opinion of Probable Construction Costs
- Four submittals are anticipated (65%, 96%, 100% and Final)
- Special Structural Analysis (with backplates) and Design as Optional Services
- Post Design as Optional Services

The existing signal plans and steel strain pole details will be provided by the County.

**ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT
SIGNAL DESIGN & POST DESIGN (BASIC SVCS)**

Name of Project:
County:

Jog Road and Okeechobee Boulevard Signal Design
Palm Beach

Stanley Consultants

7/27/2018
CK

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr. Engineer	Engineer	Engineer Intern	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		✓ \$50.00	✓ \$56.15	✓ \$34.00	✓ \$31.25			
18. Structures - Miscellaneous	88	13	49	26	0	✓ 88	\$4,285.35	\$48.70
21. Signalization Analysis	92	34	31	9	18	✓ 92	\$4,309.15	\$46.84
22. Signalization Plans	56	4	4	12	36	✓ 56	\$1,957.60	\$34.96
Total Staff Hours	✓ 236	✓ 51	✓ 84	✓ 47	✓ 54	✓ 236		
Total Staff Cost		✓ \$2,550.00	✓ \$4,716.60	✓ \$1,598.00	✓ \$1,687.50		✓ \$10,552.10	\$44.71

Check = \$10,552.10

SALARY RELATED COSTS: \$10,552.10
 MULTIPLIER ✓ 3.00
 DESIGN SERVICES (BASIC SERVICES) \$31,656.30
GRAND TOTAL BASIC SVCS ESTIMATED FEE: ✓ \$31,656.30
~~*~~ **GRAND TOTAL OPTIONAL SVCS ESTIMATED FEE: ✓ \$13,128.45**
GRAND TOTAL BASIC+OPTIONAL SVCS ESTIMATED FEE: ✓ \$44,784.75

Exhibit "A" - Page 18 of 25

Project Activity 18: Miscellaneous Structures

Estimator: EH

Jog Road and Okeechobee Boulevard Signal Design

0

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Mast Arms							
18.5	Steel Strain Poles	LS	1	80	✓ 80		Perform Structural Analysis of the existing steel strail pole system with an additional signal head using the original wind speed. No back plates on signal heads. An additional structural analysis will be performed to determine the approximate wind speed the proposed signal system will fail. The ATLAS program has not worked in the past for this type and size of configuration necessitating using the FDOT Mathcad Strain Pole Program. Since the FDOT Mathcad program is only for a single point of attachment on a pole and the typical attachment is two points, the program must be extensively modified to account for the two point attachment.
18.7	Steel Strain Pole Data Table	Sheet	1	8	✓ 8		
18. Structures - Miscellaneous Total						✓ 88	

Exhibit "A" - Page 19 of 25

Project Activity 21: Signalization Analysis

Estimator: CK

Jog Road and Okeechobee Boulevard Signal Design

0

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	0	0	0	n/a
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	0	0	Provided by PBC
21.5	Reference and Master Signalization Design File	PI	40	1	40	Includes design of entire steel strain pole signal system (proposed and existing signal data)
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	4	2	8	
21.8	Pole Elevation Analysis	LS	1	6	6	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	8	8	Includes placing appropriate Signal Pay item Numbers and corresponding quantities shown on signal plan sheet.
21.11	Cost Estimate	LS	1	2	2	Prepare cost estimate per pay items/quantities
21.12	Technical Special Provisions	LS	1	0	0	
21.13	Other Signalization Analysis	LS	1	16	16	Research existing as-builts, survey data to verify span wire lengths, span wire connection points, elevation, loading and other data necessary for the modified version of the FDOT strain pole program.
Signalization Analysis Technical Subtotal					80	
21.14	Field Reviews	LS	1	4	4	
21.15	Technical Meetings	LS	1	8	8	see below
21.16	Quality Assurance/Quality Control	LS	%	0%	0	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	0%	0	
Signalization Analysis Nontechnical Subtotal					12	
21.19	Coordination	LS	%	0%	0	
21. Signalization Analysis Total					92	

Exhibit "A" - Page 20 of 25

Project Activity 21: Signalization Analysis

Technical Meetings

Power Company (service point coordination)	EA	0	0	0	
Maintaining Agency (cities, counties)	EA	1	4	✓ 4	Palm Beach County
Railroads	EA	0	0	0	
Other Meetings	EA	0	0	✓ 0	
Subtotal Technical Meetings				✓ 4	
Progress Meetings	EA	1	4	✓ 4	Palm Beach County
Phase Review Meetings	EA	0	0	0	
Total Meetings				✓ 8	

Carries to 21.15

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

Exhibit "A" – Page 21 of 25

Project Activity 22: Signalization Plans

Estimator: CK

Jog Road and Okeechobee Boulevard Signal Design

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments	
22.1	Key Sheet		Sheet	1	6	0	6		
22.2	Summary of Pay Items Including TRNS•Port Input		Sheet	0	0	0	0		
22.3	Tabulation of Quantities		Sheet	1	8	1	8	for preparing separate tabulation sheet sequentially listing signal pay items, summarizing qtys shown in signal plan sheet with individual pay item quantities and a grand total of quantities.	
22.4	General Notes/Pay Item Notes		Sheet	1	6	1	6		
22.5	Plan Sheet		Sheet	1	20	1	20	Show existing steel strain poles, depict signal head layout, ped detector, loop detection and signal details.	
22.6	Interconnect Plans		Sheet	0	0	0	0		
22.7	Traffic Monitoring Site		EA	0	0		0		
22.8	Guide Sign Worksheet		EA	0	0		0		
22.9	Special Details		Sheet	0	0	0	0		
22.10	Special Service Point Details		EA	0	0		0		
22.11	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0		
22.12	Strain Pole Schedule		PI	1	8		8	Add existing steel strain pole information (signal & sign data; location, elevation to table for steel strain poles)	
22.13	TCP Signal (Temporary)		EA	0	0		0		
22.14	Temporary Detection Sheet		PI	0	0		0		
22.15	Utility Conflict Sheet		Sheet	1	8	1	8	Show pot-hole Vvh data for new steel strain poles and pedestrian pole locations	
22.16	Interim Standards		LS	1	0		0		
Signalization Plans Technical Subtotal							4	56	
22.17	Quality Assurance/Quality Control		LS	%	0%		0		
22.18	Supervision		LS	%	0%		0		
22. Signalization Plans Total							4	56	

Exhibit "A" - Page 22 of 25

**ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT
SIGNAL DESIGN (OPT. SVCS)**

Name of Project:
County:

Jog Road and Okeechobee Boulevard Signal Design
Palm Beach

Stanley Consultants

7/27/2018
CK

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Sr. Engineer	Engineer	Engineer Intern	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		✓ \$50.00	✓ \$56.15	✓ \$34.00	✓ \$31.25			
3. Post Design Services	30	17	2	0	11	✓ 30	\$1,306.05	\$43.54
18. Structures - Miscellaneous	60	45	14	1	0	✓ 60	\$3,070.10	\$51.17
21. Signalization Analysis	0	0	0	0	0	0	\$0.00	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	\$0.00	#DIV/0!
Total Staff Hours	✓ 90	✓ 62	✓ 16	✓ 1	✓ 11	✓ 90		
Total Staff Cost		✓ \$3,100.00	✓ \$898.40	✓ \$34.00	✓ \$343.75		✓ \$4,376.15	\$48.62

Check = \$4,376.15

SALARY RELATED COSTS:

\$4,376.15

MULTIPLIER

✓ 3.00

DESIGN SERVICES (OPTIONAL SVCS)

GRAND TOTAL OPTIONAL SVCS ESTIMATED FEE: ✓ \$13,128.45

Exhibit "A" - Page 23 of 25

Project Activity 3: General Tasks

Estimator: CK

Jog Road and Okeechobee Boulevard Signal Design

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.0	Post Design Services (Optional Services)	LS	1	30	30	Provide responses to RFI's and shop drawing reviews
3. Post Design Services Total					30	

Exhibit "A" – Page 24 of 25

Project Activity 18: Miscellaneous Structures

Estimator: CK

Jog Road and Okeechobee Boulevard Signal Design

0

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Mast Arms						
18.3	Special Structural Analysis and Design (Optional Services)	LS	1	60		60	Special Structural analysis for <u>three</u> alternatives. Alternative 1 includes the addition of backplates in the east/west direction and design wind speed of 120 MPH = <u>20 hours</u> Alternative 2 includes the addition of backplates in all directions and design wind speed of 120 MPH = <u>20 hours</u> . Alternative 3 includes the addition of backplates in all directions and a design wind speed of 120 MPH but is an interive process to determine the identification of signal heads to be removed to meet the existing design wind speed = <u>20 hours</u> .
18. Structures - Miscellaneous Total						60	

Exhibit "A" – Page 25 of 25

CERTIFICATION STATEMENTS

Exhibit "B" – Page 1 of 4

Project: Okeechobee Boulevard and Jog Road Intersection Improvements
Project No.: 2016509C

Consultant/Annual Consultant: HSQ Group, Inc.

TRUTH-IN-NEGOTIATION STATEMENT

By entering into this Contract, the **CONSULTANT/ANNUAL CONSULTANT** certifies that the wage rates and costs used to determine the lump sum fees contained in herein are accurate, complete and current as of the date of this Contract.

The said lump sum fees shall be adjusted to exclude any significant sums should the **COUNTY** determine that the lump sum fees were increased due to inaccurate, incomplete or non-current wage rates or due to inaccurate representations of fees paid to outside consultants.

The **COUNTY** shall exercise its right under this "Certificate" within one year following final payment.

PROHIBITION AGAINST CONTINGENT FEES STATEMENT

By entering into this Contract the **CONSULTANT/ANNUAL CONSULTANT** warrants that they have not employed or retained any company or person other than a bonafide employee working solely for the **CONSULTANT/ANNUAL CONSULTANT** to solicit or secure this Contract and that they have not paid or agreed to pay any person, company, corporation, individual or firm other than a bonafide employee working solely for the **CONSULTANT/ANNUAL CONSULTANT**, any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award of making of this Contract.

PUBLIC ENTITY CRIMES STATEMENT

As provided in F.S. 287.132-133, by entering this Contract or performing any work in furtherance hereof, the **CONSULTANT/ANNUAL CONSULTANT** certifies that it, its affiliates, suppliers, sub-contractors and consultants who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the 36 months immediately preceding the date hereof. This notice is required by F.S. 287.133 (3) (a).



Nour Shehadeh, P.E., Vice President

CONFLICT OF INTEREST DISCLOSURE FORM

Exhibit "B" – Page 2 of 4

Project: Okeechobee Boulevard and Jog Road Intersection Improvements

Project No.: 2016509C

CONSULTANT/ANNUAL CONSULTANT represents that it presently has no interest, either direct or indirect, which would or could conflict in any manner with the performance of services for the County, except as follows:

(Attach additional sheets as needed.)

CONSULTANT/ANNUAL CONSULTANT further represents that no person having any interest shall be employed for said performance. By signing below, CONSULTANT/ANNUAL CONSULTANT certifies that the information contained herein is true and correct and constitutes all current potential conflicts of interest which may influence or appear to influence CONSULTANT'S/ANNUAL CONSULTANT'S judgment or quality of services being provided to the County.

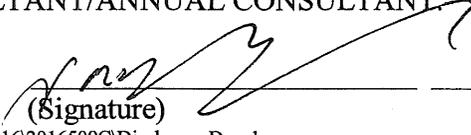
CONSULTANT/ANNUAL CONSULTANT shall promptly notify the COUNTY in writing by certified mail of all potential conflicts of interest that may arise in the future through any prospective business association, interest or other circumstance which may influence or appear to influence CONSULTANT'S/ANNUAL CONSULTANT'S judgment or quality of services being provided to the County. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that CONSULTANT/ANNUAL CONSULTANT may undertake and request an opinion of the COUNTY as to whether the association, interest or circumstance would, in the opinion of the COUNTY, constitute an unacceptable conflict of interest if entered into by the CONSULTANT/ANNUAL CONSULTANT.

If, in the sole opinion of the COUNTY, the prospective business association, interest or circumstance of CONSULTANT/ANNUAL CONSULTANT would constitute an unacceptable conflict of interest to the COUNTY, the COUNTY shall so state in the notification and the CONSULTANT/ANNUAL CONSULTANT shall not enter into said association, interest or circumstance.

THIS DISCLOSURE is submitted by Nour Shehadeh, P.E., as
(Name of Individual)

Vice President, of HSQ Group, Inc.
(Title/Position) (Firm Name of CONSULTANT/ANNUAL CONSULTANT)

who hereby certifies that the information stated above is true and correct. Further, it is hereby acknowledged that any misrepresentation by the CONSULTANT/ANNUAL CONSULTANT on this Disclosure is considered an unethical business practice and is grounds for sanctions against future County business with the CONSULTANT/ANNUAL CONSULTANT.


(Signature)

8/7/18
(Date)

DISCLOSURE OF OWNERSHIP INTERESTS

TO: PALM BEACH COUNTY CHIEF OFFICER,
OR HIS OR HER OFFICIALLY DESIGNATED REPRESENTATIVE

STATE OF FLORIDA
COUNTY OF PALM BEACH

BEFORE ME, the undersigned authority, this day personally appeared Nour Shehadeh, hereinafter referred to as "Affiant," who being by me first duly sworn, under oath, deposes and states as follows:

1. Affiant appears herein as:
[] an individual *or*
[X] the Vice President of HSQ Group, Inc.
[position—e.g., sole proprietor, president, partner, etc.] [name & type of entity—e.g., ABC Corp., XYZ Ltd. Partnership, etc.].
The Affiant or the entity the Affiant represents herein seeks to do business with Palm Beach County through its Board of County Commissioners.

2. Affiant's address is: 1001 Yamato Road, Suite 105, Boca Raton, FL 33431

3. Attached hereto as Exhibit "A" is a complete listing of the names and addresses of every person or entity having a five percent (5%) or greater interest in the Affiant's corporation, partnership, or other principal. Disclosure does not apply to nonprofit corporations, government agencies, or to an individual's or entity's interest in any entity registered with the Federal Securities Exchange Commission or registered pursuant to Chapter 517, Florida Statutes, whose interest is for sale to the general public.

4. Affiant acknowledges that this Affidavit is given to comply with Palm Beach County policy, and will be relied upon by Palm Beach County and the Board of County Commissioners. Affiant further acknowledges that he or she is authorized to execute this document on behalf of the entity identified in paragraph one, if any.

5. Affiant further states that Affiant is familiar with the nature of an oath and with the penalties provided by the laws of the State of Florida for falsely swearing to statements under oath.

6. Under penalty of perjury, Affiant declares that Affiant has examined this Affidavit and to the best of Affiant's knowledge and belief it is true, correct and complete.

FURTHER AFFIANT SAYETH NAUGHT.

Nour Shehadeh, Affiant
(Print Affiant Name)

The foregoing instrument was acknowledged before me this 7th day of August, 2018, by Nour Shehadeh, [X] who is personally known to me or [] who has produced _____ as identification and who did take an oath.



Beth Ann Shay
NOTARY PUBLIC
STATE OF FLORIDA
Comm# FF925323
Expires 10/7/2019

Beth Ann Shay
Notary Public
BethAnn Shay
(Print Notary Name)
State of Florida at Large
My Commission Expires: 10/7/2019

Palm Beach County
Engineering & Public Works Roadway Production

**PARTICIPATION FOR MWBE/SBE CONSULTANTS
Contract**

Exhibit "C" – Page 1 of 2

Project Name: Okeechobee Boulevard and Jog Road Intersection Improvements	Project Number: 2016509C
Prime Vendor: HSQ Group, Inc.	Resolution Number
Telephone: (561) 392-0221	Resolution Date 7/26/2018
Contact: Nour Shehadeh, P.E.	Department: Engineering & Public Works

MINORITY SUBCONTRACTORS

Minority Sub-Consultant	Type of Work Performed	----- Contract Dollar Amount for Sub-Consultant -----				
		Black	Hispanic	Women	Other	White Male
<hr/>						
HSQ Group, Inc. 1001 Yamato Road, Suite 105 Boca Raton, FL 33431 (561) 392-0221	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	207,689.13	0.00
<hr/>						
HSQ Group, Inc. 1001 Yamato Road, Suite 105 Boca Raton, FL 33431 (561) 392-0221	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	1,420.00	0.00
<hr/>						
HSQ Group, Inc. 1001 Yamato Road, Suite 105 Boca Raton, FL 33431 (561) 392-0221	MWBE	0.00	0.00	0.00	0.00	
	SBE	0.00	0.00	0.00	5,314.11	0.00
<hr/>						
Total Contract Authorizatoin \$259,207.99	Total MWBE	0.00	0.00	0.00	0.00	
	Percentage	0.00%	0.00%	0.00%	0.00%	
	Total SBE	0.00	0.00	0.00	214,423.24	0.00
	Percentage	0.00%	0.00%	0.00%	82.72%	0.00%

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE PRIME AND/OR SUBCONTRACTOR PARTICIPATION

PROJECT NAME OR BID NAME: Okeechobee Boulevard and Jog Road Intersection Improvements PROJECT NO. OR BID NO.: 2016509C
 NAME OF PRIME BIDDER: HSQ Group, Inc. ADDRESS: 1001 Yamato Road, Suite 105, Boca Raton, FL 33431
 CONTACT PERSON: Nour Shehadeh PHONE NO.: 561-392-0221 FAX NO.: 561-392-6458
 BID OPENING DATE: _____ USER DEPARTMENT: Engineering & Public Works

THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONTRACTOR AND SUBMITTED WITH BID PACKET. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE -M/WBE SUBCONTRACTORS ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, PLEASE ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.

Name, Address and Phone Number	(Check one or both Categories)		DOLLAR AMOUNT OR PERCENTAGE OF WORK				
	M/WBE Minority Business	SBE Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. HSQ Group, Inc. 1001 Yamato Road, Suite 105 Boca Raton, FL 33431 561-392-0221	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	82.72%
2.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
3.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
(Please use additional sheets if necessary)							
Total			_____	_____	_____	_____	82.72%

Exhibit "C" - Page 2 of 2

Total Bid Price \$ 259,207.99 Total SBE-M/WBE Participation Dollar Amount or Percentage of Work \$214,423.24

Note:

- The amount listed on this form for a subcontractor must be supported by price or percentage listed on the signed Schedule 2 or signed proposal in order to be counted toward goal attainment.
- Firms may be certified by Palm Beach County as an SBE and/or and M/WBE. If firms are certified as both an SBE and N/WBE, please indicate the dollar amount or percentage under the appropriate category.
- M/WBE information is being collected for tracking purposes only.

Revised 03/15/2011



HSQGROU-01

GMASTERS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 07/30/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement.

PRODUCER: Collinsworth, Alter, Fowler & French, LLC
INSURED: HSQ Group, Inc.
CONTACT NAME, PHONE, FAX, E-MAIL ADDRESS, INSURER(S) AFFORDING COVERAGE, NAIC #

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSRD, SUBR WVD, POLICY NUMBER, POLICY EFF, POLICY EXP, LIMITS. Rows include Commercial General Liability, Automobile Liability, Umbrella Liab, Workers Compensation, and Prof Liab Claim Made.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
PROFESSIONAL LIABILITY RETRO DATE - 1/18/2005
Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees & Agents are named additional insured, if required by written contract, as respects Commercial General Liability, for all projects insured is working on for Palm Beach County

CERTIFICATE HOLDER: Palm Beach County c/o Insurance Tracking Services, Inc. (ITS)
CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/11/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER State Farm Marion Fazio Insurance Agency Inc. 805 George Bush Blvd Delray Beach FL 33483	CONTACT NAME: Marion Fazio PHONE (A/C No., Ext.): 5612760330 E-MAIL ADDRESS: Marion@marionfazio.com FAX (A/C, Not): 5612760960
	INSURER(S) AFFORDING COVERAGE INSURER A: State Farm Mutual Automobile Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
INSURED HSQ GROUP 1001 YAMATO ROAD, SUITE 105 BOCA RATON FL 33431	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR (INSQ) (WVD)	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY		C60 8364-E12-59A 994 2729-C06-59B 961 7635-C14-59C 439 6946-e02-59G	05/12/2018 09/06/2018 09/14/2018 05/02/2018	11/12/2018 03/06/2019 03/14/2019 11/02/2018	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ 1,000,000 PROPERTY DAMAGE (Per accident) \$ 1,000,000 \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/>	N/A			PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

06 FORD F150 VIN: 1FTRX14W66NB80474 14 TOYOTA TACOMA VIN: 5TFTX4CN1EX038231
 06 TOYOTA TACOMA VIN: 5TETX22N46Z243428 11 JEEP COMPASS VIN: 1J4NT1FB1BD260022
 15 TOYOTA TACOMA VIN: 5TFUX4EN8FX035295 09/23/2018-03/23/2019
 15 JEEP CHEROKEE VIN: 1C4PJM CB4FW709679 06/05/2018-12/05/2018

CERTIFICATE HOLDER Palm Beach County C/O Insurance Tracking Services, Inc. PO BOX 20270 Long Beach, CA 90801	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	--

Page 2 of 3

Okeechobee Blvd and Jog Road Intersection

Proj # 2016509C

ID	Task Name	Duration	Start	Finish	August Aug	September Sep	October Oct	November Nov	December Dec	January Jan	February Feb	March Mar	April Apr	May May	June Jun	July Jul	August Aug	September Sep	October Oct	November Nov
0	Jog Road and Okeechobee Blvd	427 days	Thu 9/20/18	Wed 11/20/19																
1	Notice To Proceed	1 day	Thu 9/20/18	Thu 9/20/18																
2	Survey	40 days	Fri 9/21/18	Tue 10/30/18																
3	Prepare and submit the specific purpose survey	50 days	Fri 9/21/18	Fri 11/9/18																
4	County review of specific purpose survey	15 days	Mon 11/12/18	Mon 11/26/18																
5	address county's comments on the specific purpose survey	10 days	Tue 11/27/18	Thu 12/6/18																
6	Typical sections / master plan	41 days	Wed 10/31/18	Mon 12/10/18																
7	County Review of Typical section and master plan	21 days	Tue 12/11/18	Mon 12/31/18																
8	Utility initial contact based on approved master plan	31 days	Tue 12/11/18	Thu 1/10/19																
9	35% plans	45 days	Tue 1/1/19	Thu 2/14/19																
10	prepare PNC and Ref point sheets	15 days	Fri 12/7/18	Fri 12/21/18																
11	QC/QA & revise plans as needed	15 days	Thu 1/31/19	Thu 2/14/19																
12	County Review	21 days	Fri 2/15/19	Thu 3/7/19																
13	65% Plans	46 days	Fri 3/8/19	Mon 4/22/19																
14	QC/QA & revise plans as needed	20 days	Wed 4/3/19	Mon 4/22/19																
15	County Review	21 days	Tue 4/23/19	Mon 5/13/19																
16	Utility Potholes coordination meeting	50 days	Tue 4/23/19	Tue 6/11/19																
17	Permitting SFWMD, FDOT	60 days	Tue 4/23/19	Fri 6/21/19																
18	96% Plans	60 days	Tue 5/14/19	Fri 7/12/19																
19	QC/QA & revise plans as needed	15 days	Fri 6/28/19	Fri 7/12/19																
20	County Review	22 days	Mon 7/15/19	Mon 8/5/19																
21	Utility Conflict Resolution	15 days	Fri 6/14/19	Fri 6/28/19																
22	100% Plans	45 days	Tue 8/6/19	Thu 9/19/19																
23	QC/QA & revise plans as needed	15 days	Thu 9/5/19	Thu 9/19/19																
24	County Review	21 days	Fri 9/20/19	Thu 10/10/19																
25	Final Utility Coordination	32 days	Fri 9/20/19	Mon 10/21/19																
26	Final Plans	30 days	Tue 10/22/19	Wed 11/20/19																
27	QC/QA & revise plans as needed	15 days	Wed 11/6/19	Wed 11/20/19																

Project: Jog Road and Okeechobee Bl Date: Tue 8/7/18	Task		Project Summary		Inactive Task		Duration-only		Finish-only	
	Split		External Tasks		Inactive Milestone		Manual Summary Rollup		Progress	
	Milestone		External Milestone		Inactive Summary		Manual Summary		Deadline	
	Summary		Inactive Task		Manual Task		Start-only			