

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date:	December 20, 2022	<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:	Engineering & Public Works Department		
Submitted For:	Roadway Production Division		

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Supplement No. 2 (Supplement) to Consultant Service Authorization (CSA) No. 1 dated July 27, 2022, under the Annual Civil Engineering Professional Services Contract (R2022-0464) (Contract) with Mock, Roos & Associates, Inc. (MRA) in the amount of \$102,945.55 for professional services for Cherry Road from Military Trail to Quail Drive (Project).

SUMMARY: Approval of this Supplement will provide the professional services necessary to design lighting and pathway improvements. The Westgate Belvedere Homes Community Redevelopment Agency (CRA) received a Local Agency Program (LAP) federal grant through the Florida Department of Transportation (FDOT) for construction of the Project. FDOT requires Palm Beach County (County) to perform the design and construction as the LAP certification holder in support of the CRA's Project, and the CRA will fund design and construction. The Affirmative Procurement Initiatives selected for this Contract on June 16, 2021 by the Goal Setting Committee are a 20% minimum mandatory Small Business Enterprise (SBE) participation and a Minority Business Enterprise evaluation preference for African American owned firms. MRA agreed to 27% SBE participation for the Contract. They agreed to 27.48% SBE participation for this Supplement. Their cumulative SBE participation to date for the CSA including this Supplement is 29.50%. MRA has an office located in Palm Beach County (County). District 2 (YBH)

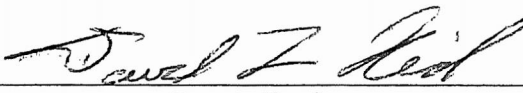

Background and Justification: On May 17, 2022, the Board of County Commissioners (BCC) approved the Contract with MRA to provide the professional services as required for the County. The fee, as detailed in **Exhibit B** of the attached Supplement, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$ 66,883.94	(Lighting & Pathway Plans, Utilities, Environmental Permitting)
Reimbursable Services (Not to Exceed)	\$ 582.50	(Copies and Prints)
Optional Services (Not to Exceed)	<u>\$ 35,479.11</u>	(Post Design, Landscape Design, and Lighting Design)
Total:	\$102,945.55	

After reviewing the attached Supplement and finding it in proper order, the Engineering Department recommends BCC approval.

Attachments:

1. Location Map
2. Supplement No. 2 with Exhibits A, B, C, D & Ebix Insurance Compliance (2)

Recommended by:		11/29/2022
YBH/TEL	County Engineer	Date
Approved By:		12/12/22
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2023	2024	2025	2026	2027
Capital Expenditures	\$ 144,127	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	(\$144,127)	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	-0-	-0-	-0-	-0-	-0-
# ADDITIONAL FTE					
POSITIONS (Cumulative)	-0-	-0-	-0-	-0-	-0-

Is Item Included in Current Budget?

Yes ☒ No ☐

Does this item include the use of federal funds?

Yes ☐ No ☒

Budget Account No:

Fund 3900 Dept 361 Unit 1985 Object 8101

Supplement No. 2

• Basic Services	\$ 66,883.94
• Reimbursable	\$ 582.50
• Optional Services	\$ 35,479.11
Total Supplement No. 2	\$102,945.55

Estimated Staff Costs

• Roadway Production	\$ 20,590.00
• Roadway Production: Survey	\$ 5,148.00
• Roadway Production: Right-of-Way	\$ 5,148.00
• Traffic	\$ 10,295.00
Total Staff Costs	\$ 41,181.00

Total Cost

\$144,126.55

Funding West Gate Belvedere CRA

(\$144,126.55)

Fiscal Impact

\$ -0-

Note : Funded by a \$328,550 payment from Westgate Belvedere Homes CRA, Check # 12802, dated 03/18/2022 for \$208,538.00 & Check #12959, dated 08/12/2022 for \$120,012. Budget Amendment was approved by the BCC on September 13, 2022.

C. Departmental Fiscal Review:

III. REVIEW COMMENTS

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

for review
12/11/22
ASD Delle 12/11/22
OFMB

D. J. Jacobson 12/12/22
Contract Dev. and Control

B. Approved as to Form and Legal Sufficiency:

Arlene C. Aring for Yeliza Vega Herman
Assistant County Attorney 01/21/22

C. Other Department Review:

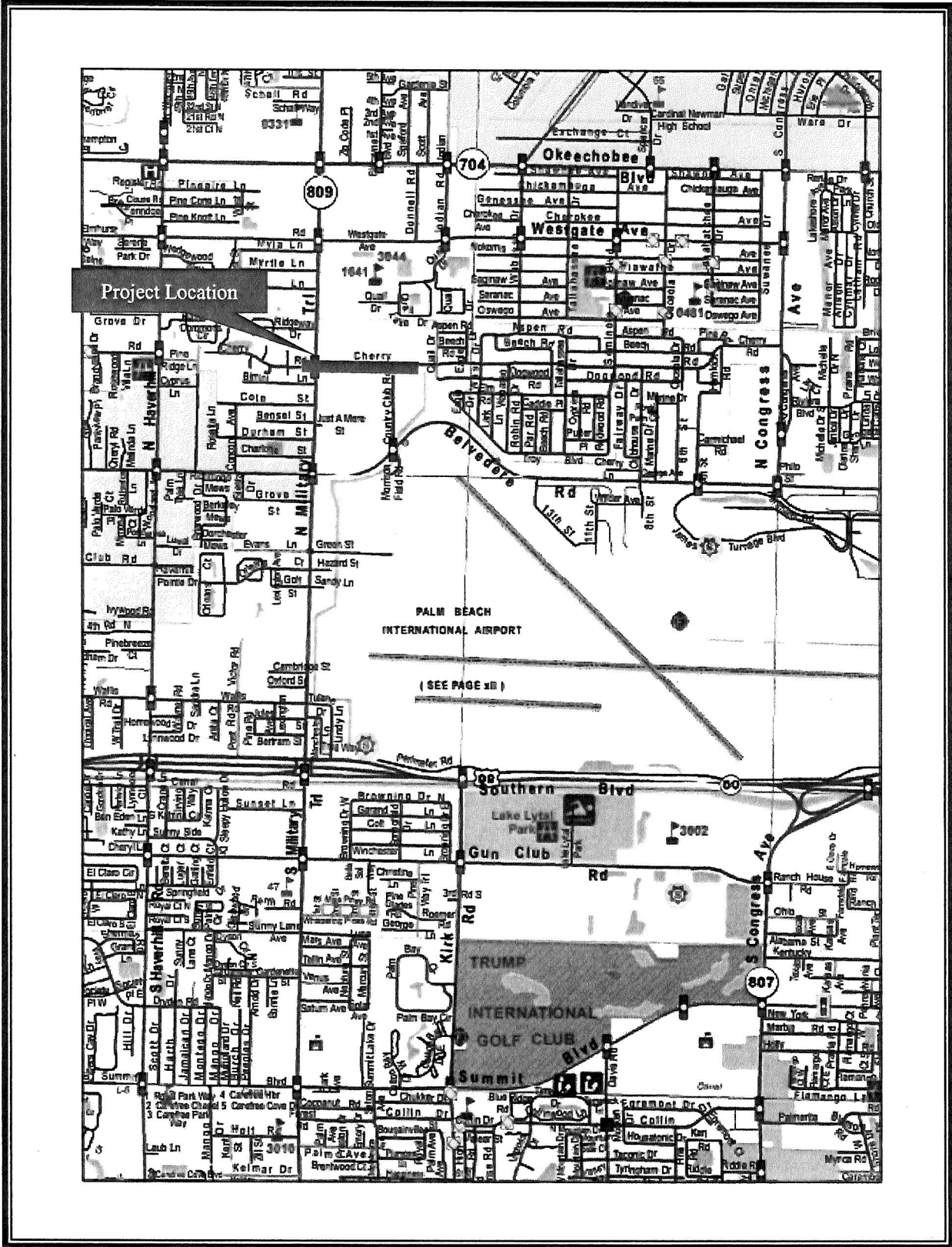
Department Director

This summary is not to be used as a basis for payment.

PROJECT LOCATION

CHERRY ROAD FROM MILITARY TRAIL TO QUAIL DRIVE

Palm Beach County Project # 2021025



LOCATION MAP

SUPPLEMENT NO. 2 TO CONSULTANT SERVICE AUTHORIZATION NO. 1
UNDER THE CIVIL PROFESSIONAL CONTINUING SERVICES CONTRACT

Project Name: **Cherry Road from Military Trail to Quail Drive**

Project No: **2021025**

Commission District No.: **2**

SBE Participation for this authorization is **27.48%**

SBE Participation to date for this CSA is **29.50%**

SBE Commitment is **27%**

This authorization is under the EBO Ordinance.

PALM BEACH COUNTY

BOARD OF COUNTY COMMISSIONERS

Acct. No.: 3900-361-1985-8101/6943

Supplement No. 2 to a Consultant Service Authorization No. 1 dated July 27, 2022, to the Civil Engineering Annual Services Contract dated May 17, 2022 (R2022-0464), (CONTRACT), between the COUNTY and the CONSULTANT identified herein is for the Additional Services described in **EXHIBIT A** and **EXHIBIT B** for this Supplement.

1. CONSULTANT: Mock, Roos & Associates, Inc.
2. Address: 5720 Corporate Way, West Palm Beach, FL 33407
3. CONSULTANT shall begin work promptly on the requested Additional Services, per the schedule attached as part of **EXHIBIT A**.
4. Scope of Services to be provided by CONSULTANT: Provide professional engineering services to Palm Beach County for the Cherry Road from Military Trail to Quail Drive project for the design of roadway improvements in accordance with the attached **EXHIBIT A** dated August 31, 2022.
5. The compensation to be paid CONSULTANT for providing the requested services as detailed in **EXHIBIT B** shall be:

<input checked="" type="checkbox"/> Basic Services in a lump sum fee of	\$ 66,883.94
<input checked="" type="checkbox"/> Reimbursable Expenses capped at	\$ 582.50
<input checked="" type="checkbox"/> Optional Services capped at	<u>\$ 35,479.11</u>
Totaling	\$102,945.55

☒ OEBO Schedules 1 & 2 **EXHIBIT C**
☒ CSA History **EXHIBIT D**
6. All terms of the CONTRACT, shall apply to this Supplement.

SUPPLEMENT NO. 2 TO CONSULTANT SERVICE AUTHORIZATION NO. 1
UNDER THE CIVIL PROFESSIONAL CONTINUING SERVICES CONTRACT

IN WITNESS WHEREOF, this CSA/Supplement is accepted as of the date signed by the COUNTY below, subject to the terms and conditions of the aforementioned CONTRACT.

CONSULTANT: Mock, Roos & Associates, Inc.

Federal ID: 59-0878800

Signed: _____

Typed Name: Garrytt G. Gruber, P.E.

Title: Senior Vice President

Date: 11/15/2022

Approved as to Terms and Conditions

By: Kate O. Farrell

for Typed Name: Morton L. Rose, P.E.

Title: Division Director

ATTEST WITH

Signed: Debra C. McCray

Typed Name: Debra C. McCray

Title: Corporate Secretary

Date: 11/15/2022



SUPPLEMENT NO. 2 TO CONSULTANT SERVICE AUTHORIZATION NO. 1
UNDER THE CIVIL PROFESSIONAL CONTINUING SERVICES CONTRACT

{SIGNATURE PAGES CONTINUED}

COUNTY: **Palm Beach County**, a Political
Subdivision of the State of Florida, by and
through its Board of County Commissioners

Signed: _____

Typed Name: Gregg K. Weiss

Title: Mayor

Date: _____

ATTEST:

Joseph Abruzzo
Clerk of the Circuit Court & Comptroller

By: _____
Deputy Clerk

Approved as to Form and Legal Sufficiency

By: _____

Typed Name: Yelizaveta B. Herman

Title: Assistant County Attorney

EXHIBIT "A"
CHERRY ROAD FROM MILITARY TRAIL TO QUAIL DRIVE
ENGINEERING DESIGN SERVICES – FINAL DESIGN

Palm Beach County Project No. 2021025
Federalized Project FM#448303-1
SUPPLEMENT NO. 2

SCOPE OF SERVICES

March 9, 2022
Revised April 19, 2022
Revised April 27, 2022
Revised May 25, 2022
Revised July 22, 2022
Revised July 29, 2022
Revised August 2, 2022
Revised August 3, 2022
Revised August 31, 2022 ✓

*Changes requested
by CCN# okay
for Kugel
10/3/22*

OVERVIEW

Palm Beach County is assisting the Westgate/Belvedere Homes CRA in obtaining FDOT LAP Funding for installing multi-use pathway and pedestrian lighting along Cherry Road from Military Trail to Quail Drive in unincorporated Palm Beach County. The project length is approximately 2,100 feet (0.4 miles).

Project includes removing the existing sidewalk on the north side and installing a multi-use pathway. A new 6-foot sidewalk will be installed from the south side of the road connecting Quail and Country Club Roads. New pedestrian lighting will be installed on the entire north side and along the new 6-foot sidewalk on the south side. Curb and gutter will be installed along the north side adjacent to the multi-use pathway. AASHTO Greenbook design guidance will be used to the extent practical, however, the existing roadway will not be shifted in any of the proposed typical sections. There are no proposed drainage improvements other than the creation of swales, where applicable. The entire roadway will be milled and resurfaced, and/or overbuilt for overflow drainage to flow to the south green area(s). No roadway reconstruction is included in the project. Project also includes restriping and one crosswalks at Country Club Road. The proposed typical sections are as follows:

Section A-A (near Military Trail) will include curb and gutter (C&G) on the north side with 10' pathway at back of curb with 2' clear zone with +/- 2' for placement of the pedestrian lights. The south side will include a proposed 6' shoulder (2' paved) and 5' green space with possible addition of a swale. There will be no trees in this section.

Section B-B will use the same as Section A-A on the north side (C&G with 10' pathway at back of curb with 2' clear zone with +/- 2' for lights). The south side will have a 6' shoulder (2' paved) and 10' green area with addition of a swale. There will be no trees in this section.

Section C-C (from the bridge to Country Club Road) will use the same as Section A-A on the north side (C&G with 10' pathway at back of curb with 2' clear zone with +/- 2' for lights and

approximately 8' for trees). The south side will have a 6' shoulder (2' paved), 6' sidewalk, +/- 2' for lights and green area with addition of a swale. Trees will be added where acceptable to the County.

Section D-D the two (2) existing undivided 12-foot travel lanes to be milled and resurfaced. On the north side, existing C&G, 10' sidewalk and 10.5' green area to remain. On the south side, 6-foot shoulder to remain and construct new 6-foot sidewalk. New pedestrian lighting on the south side.

Due to the age of the affected neighborhood, FDOT LAP funding requires that the local cultural resources be identified, and any potential impacts of the proposed project be properly assessed. For this reason, a cultural resource assessment will be performed.

The basic services for this project include:

1. Civil Engineering & Project Management (by Mock•Roos)
2. Electrical Engineering (by Hillers Electrical Engineering, Inc.)
3. Landscaping and Irrigation (2GHO Inc. Landscape Architects, Planners, Environmental Consultants)

This proposal provides for engineering services required through the preparation of final plans based on approved Typical Sections developed under a separate authorization. During the plan development progress, the County and CRA will review the expected overall project costs based upon the scope of construction and the desired lighting fixtures and poles to be installed. This proposal also includes Optional Services for Post Design Services and other related project tasks.

SCOPE OF SERVICES DESCRIPTION

Project Management:

Mock•Roos will provide project team management through the LAP Funding process by:

1. Monitor and update team project schedule to meet the requirements of the established FDOT schedule and monitor the team's progress.
2. Coordinate with two (2) subconsultants, listed above, reviewing their work performance, assembling progress submittals and distributing comments received, communicating between the County and each team firm, and providing financial coordination.
3. Coordinate directly with the County on the progress schedule, submittals, and communicating directives from either the County or FDOT. Up to two (2) virtual meetings are estimated with the County and/or FDOT.

Civil Engineering:

Professional services shall include the preparation of a set of engineering construction plans and estimated costs for the construction of the above-described improvements on Cherry Road. Technical specifications will be the *FDOT Standard Specifications for Road and Bridge Construction* (latest edition). The following tasks will be performed:

1. Advance construction drawings in accordance with Palm Beach County Design Standards, consisting of:
 - a. Plan View Base Map from surveys, on County aerial photography.
 - b. Summary of Quantities table with Pay Item footnotes, as required.
 - c. Street and Driveway Cross Sections (up to 40 sections, 2,000 lf total length taken at every 50').
 - d. Construction Plan Sheets (dual plan view - 3 estimated, 1"=40' scale – 11x17 format) indicating finished grades, supporting data, etc. (no profiles of streets required).
2. Evaluate green areas for potential for swale system to collect stormwater runoff resulting from the pavement section sloping to the south side of the right-of-way.
3. Research SFWMD permit status and requirements. Submit a general permit to SFWMD for the project. Respond to up to two (2) RAIs.
4. Calculate quantities of the proposed improvements and provide a preliminary estimate of construction cost, based on unit prices from previous County projects, with each progress submittal.
5. Perform utility coordination with County staff and affected utility companies. Determine any potential above-ground or underground utility conflicts that may affect the components of the project. Resolve such conflicts, as necessary.
6. Provide plans for County & FDOT reviews, and prepare responses to agency comments, as follows:
 - a. 96% progress submittal to County for review including revisions from 65% review – make revisions and resubmit 96% package to County for Constructability FDOT submittal; receive and review FDOT comments from ERC; prepare responses to FDOT Constructability comments and make appropriate plan revisions.
 - b. 100% submittal to County for review, including FDOT ERC comments; make revisions – resubmit to County for FDOT Production Package submittal; receive and address FDOT comments, if any – resubmit Final Production Package to County for FDOT.
 - c. Final – Signed and Sealed.

All submittals to be made electronically and as hardcopy upon request (2 sets each).

7. Assist Palm Beach County by addressing questions and providing relevant data to FDOT for obtaining the LAP Funding on this project. Construction plans will be assembled, and construction cost estimates prepared on FDOT LAP funding forms, provided to meet the above-described progress review schedules. Responses to comments will be provided and plans revised as determined appropriate.

8. Optional Public Involvement Services.
9. Optional Post Design Services.

Electrical Engineering:

Hillers Electrical Engineering, Inc. will provide Electrical Engineering for the Street Lighting portion of the project. See attached proposal from Hillers dated July 21, 2022 for scope of services.

Landscaping Design:

2GHO Inc. Landscape Architects, Planners, Environmental Consultants will perform Landscape Architectural design for the project. See attached proposal from 2GHO Inc. Landscape Architects, Planners, Environmental Consultants dated May 25, 2022 for scope of services.

PROJECT SCHEDULE

The FDOT LAP Program has an established schedule for this project. The Project Team will endeavor to meet each deliverable date within the schedule. For this project the following milestones have been determined, as provided by Palm Beach County and FDOT:

Deliverables Under This Scope of Services:

- *INITIAL PHASE through 65% Progress Submittal to be completed under Supplement No. 1 – 65% Design.*
- CONSTRUCTABILITY PHASE Submittal (96% Progress) to FDOT: due date: **March 14, 2023** (96% to County for review in 2022)
- PRODUCTION PHASE Submittal (100%) to FDOT: due date: **June 9, 2023** (100% to County in March 2023)
- Production Date Submittal (Final) to FDOT: due date: **July 3, 2023** (Final to County April 24, 2023)

Meeting these milestones requires receipt of written authorization and Notice to Proceed anticipated by August 31, 2022, provided the County allows the use of the base survey files before the survey is approved. A comprehensive design schedule will be provided following the County's NTP.

All submittals will be made to County for reviews sufficiently prior to the latest due date to FDOT. All interim submittals shall be delivered as .pdf documents. Each FDOT submittal will include signed & sealed documents per FDOT LAP requirements. The Final submittal shall be delivered on two (2) CD's containing plans and all appropriate supporting information.

Mock, Roos & Associates, Inc.
CHERRY ROAD FROM MILITARY TRAIL TO QUAIL DRIVE
SUPPLEMENT NO. 2
ENGINEERING DESIGN SERVICES - FINAL DESIGN
Palm Beach County Project No. 2021025
Estimate of Staffing Requirements & Professional Services Fee

TASK DESCRIPTION	Principal Engineer	Project Manager	Sr. Engineer	Engineer	Engineer Intern	Total Hours	Amount
PROJECT TEAM MANAGEMENT							
Task 3.4A - Project Schedule - Monitor progress/updates	2	4				6	\$ 461.60
Task 4.15 - Attending meetings (virtual) with County or FDOT	4		4			8	\$ 590.32
CIVIL ENGINEERING CONSTRUCTION DRAWINGS							
1. Prepare Construction Drawing Activities							
Task 5.7 Summary of Quantities		2	4	2	4	12	\$ 624.92
Task 5.15 - Plan Sheets	2	8	46	34	26	116	\$ 6,106.08
Task 7.9 - Pothole Utility Meeting - #1		1		3		4	\$ 213.90
Task 7.10 - Review Utility Markups and Work Schedules, and Processing of Schedules and Agreements		1	4	3		8	\$ 464.22
Task 7.11 - Utility Coordination/Followup w/ County			2	2		4	\$ 219.16
Task 7.15 - Final Utility Conflict Resolution - #2		2	2	4		8	\$ 458.96
Task 5.30A - Cross Sections		2	4	14	20	40	\$ 1,728.12
Task 5.7A - Quantity Calcs/EOPCC		4	10	12	10	36	\$ 1,818.40
Task 6.18 - Other Drainage Analysis	1	1	4	5	1	12	\$ 676.92
Task 20.3 - Tabulation of Quantities			1	4	1	6	\$ 284.28
Task 20.4 - General Notes/Pay Item Notes			1	2		3	\$ 156.58
Task 20.5 - Project Layout		2	2	4	2	10	\$ 526.36
2. Task 8.5 and 8.7 - Environmental Permits (SFWMD)	2	2	8	8	8	28	\$ 1,462.04
3. Task 3.4B - LAP Documentation	4	6	12	14		36	\$ 2,186.36
Staff Hours	15	35	104	111	72	337	
Total Staff Costs	\$ 1,275.00	\$ 2,551.50	\$ 6,508.32	\$ 5,217.00	\$ 2,426.40		\$ 17,978.22
Raw Labor Rates	\$ 85.00	\$ 72.90	\$ 62.58	\$ 47.00	\$ 33.70		
BASIC SERVICES:	SALARY RELATED COSTS						\$ 17,978.22
	MULTIPLIER						3.00
	MOCK, ROOS & ASSOCIATES, INC.						\$ 53,934.66
	Hillers Electrical Engineering, Inc. - LIGHTING DESIGN						\$ 10,990.43
	2GHO, Inc. Landscape Architects, Planners, Environmental Consultants - LANDSCAPE DESIGN						\$ 1,958.85
	TOTAL BASIC SERVICES FEE						\$ 66,883.94
REIMBURSABLES:	Mock, Roos & Associates, Inc. Out-of-Pocket Expenses see attached						\$ 402.50
	2GHO, Inc. Landscape Architects, Planners, Environmental Consultants - LANDSCAPE DESIGN						\$ 180.00
	TOTAL ESTIMATED REIMBURSABLES						\$ 582.50
OPTIONAL SERVICES (HOURLY)							
	Task 3.1 - Public Involvement						\$ 8,748.00
	Task 3.13 - Post Design Services						\$ 11,568.00
	Hillers Electrical Engineering, Inc. - LIGHTING DESIGN						\$ 3,823.65
	2GHO, Inc. Landscape Architects, Planners, Environmental Consultants - LANDSCAPE DESIGN						\$ 11,339.46
	TOTAL ESTIMATED POST-DESIGN SERVICES						\$ 35,479.11
	TOTAL ESTIMATED PROJECT FEES						\$ 102,945.55

PBC 2021025

CHERRY ROAD MILITARY TRAIL TO QUAIL DRIVE
ENGINEERING DESIGN SERVICES - FINAL DESIGN
SUPPLEMENT NO. 2
Palm Beach County Project No. 2021025
Mock•Roos Out-of-Pocket Expenses

3/2/22 Revised 4/19/22 Revised 7/22/22 Revised 8/2/22 Revised 8/31/22

Project Management &
Contract Document Production

<u>REIMBURSIBLES</u>	<u># submit</u>	<u># sheets</u>	<u># copies</u>	<u>rate</u>	<u>Amount</u>
11x17 copies					
96%, 100% Prog Subm (PBC & FDOT)	3	30	5	\$ 0.25 \$	112.50
Miscellaneous Working Copies	1	130	4	\$ 0.25 \$	130.00
22x34 copies					
Miscellaneous working copies	1	5	3	\$ 1.20 \$	18.00
8-1/2x11 copies					
Typical Cross Section Package	2	6	5	\$ 0.10 \$	6.00
Computations	2	15	8	\$ 0.10 \$	24.00
Quantities & Cost Estimates	3	30	8	\$ 0.10 \$	72.00
Correspondence documents	1	100	2	\$ 0.10 \$	20.00
Miscellaneous working copies	1	100	2	\$ 0.10 \$	20.00
TOTAL REIMBURSIBLES				\$	402.50 ✓

Optional Services

POST DESIGN (hourly)	<u># hours</u>	<u>raw labor rate</u>	<u>Amount</u>
Project Manager	40	\$72.90	\$2,916.00
<u>Engineer</u>	<u>20</u>	\$47.00	<u>\$940.00</u>
Subtotal	60		\$3,856.00
	multiplier	3.00	<u>\$11,568.00</u> ✓
Public Involvement (hourly)	<u># hours</u>	<u>raw labor rate</u>	<u>Amount</u>
<u>Project Manager</u>	<u>40</u>	\$72.90	<u>\$2,916.00</u>
Subtotal	40		\$2,916.00
	multiplier	3.00	<u>\$8,748.00</u>
	<u>TOTAL</u>		<u>\$20,316.00</u> ✓

Project Activity 3: Project Common and Project General Tasks

Estimator:

Cherry Road from Military Trail to Quail Drive

BASIC SERVICES

20211025

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.4A	Project schedule - Monitor progress/updates	LS	1	6	6	monitor and update
3.4B	LAP Documentation	EA	3	12	36	LAP Docs (FDOT Initial, 65%, FDOT Constructability, FDOT Production (2))
3. Project Common and Project General Tasks Total					42 ✓	

Project Activity 3: Project Common and Project General Tasks

Estimator:

Cherry Road from Military Trail to Quail Drive

OPTIONAL SERVICES

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement	LS	1	40	40	OPTIONAL SERVICES
3.13	Post Design Services	LS	1	60	60	OPTIONAL SERVICES
3. Project Common and Project General Tasks Total					100 ✓	

Project Activity 4: Roadway Analysis

Estimator:

Cherry Road from Military Trail to Quail Drive
20211025

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.15	Attending meetings (virtual) with County or FDOT (4 total)	EA	2	4	8	Meet with County and DOT,FDOT Constructability, FDOT Production (2)
Roadway Analysis Nontechnical Subtotal					8	
4. Roadway Analysis Total					8 ✓	

Project Activity 5: Roadway Plans

Estimator:

Cherry Road from Military Trail to Quail Drive
20211025

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.7	Summary of Quantities		EA	3	4	3	12	FDOT Constructability, FDOT Production (2)
5.7A	Quantity Calcs/EOPCC		EA	3	12	3	36	FDOT Constructability, FDOT Production (2)
5.15	Plan Sheet		Sheet	4	29	0	116	for sidewalk (FDOT Constructability, FDOT Production (2))
5.30A	Cross Sections		EA	40	1	0	40	FDOT Constructability, FDOT Production (2)
5. Roadway Plans Total						3	204	✓

Project Activity 6: Drainage Analysis

Estimator:

Cherry Road from Military Trail to Quail Drive
20211025

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6.18	Other Drainage Analysis	LS	1	12	12	Evaluate draining south green area
6. Drainage Analysis Total					12 ✓	

Project Activity 7: Utilities

Estimator:

Cherry Road from Military Trail to Quail Drive

20211025

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.9	Pothole Utility Meeting - #1	EA	1	4	4	
7.10	Review Utility Markups and Work Schedules, and Processing of Schedules and Agreements	LS	1	8	8	
7.11	Utility Coordination/Followup w/ County	EA	1	4	4	
7.15	Final Utility Conflict Resolution - #2	EA	1	8	8	
7. Utilities Total					24	✓

Project Activity 8: Environmental Permits, Compliance and Clearances

Estimator:
Updated 080818

Cherry Road from Military Trail to Quail Drive
20211025

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.5	Complete And Submit All Required Permit Applications	LS	1	16	16	SFWMD
8.7	Responses to RFI's (comments)	LS	1	12	12	
8. Environmental Permits, Compliance and Clearances Total					28 ✓	

Estimator:

Cherry Road from Military Trail to Quail Drive
20211025

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.3	Tabulation of Quantities		EA	3	2	1	6	
20.4	General Notes/Pay Item Notes		Sheet	1	3	1	3	FDOT Constructability, FDOT Production (2)
20.5	Project Layout		LS	1	10	1	10	
20. Signing and Pavement Marking Plans Total						3	19✓	



HILLERS ELECTRICAL ENGINEERING, INC.

July 21, 2022

Mock Roos & Associates Inc.
Dennis J. Thomas, PE
5720 Corporate Way,
West Palm Beach, FL 33407

Subject: Electrical Engineering Design Proposal for the Palm Beach County Cherry Road from Military Trail to Quail Drive Project 2021025, Pedestrian Lighting for Multipurpose Trail back of curb from Country Club Rd. to Quail Drive and (1) Side Pedestrian Multipurpose Trail from N. Military Rd. to Country Club Rd. **TASK 2 Final Bid Documents & Post Design.**

Dennis:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Mock Roos & Associates, Inc. (MR) an electrical design fee proposal for the Palm Beach County (County) Cherry Road Multipurpose Trails and Lighting based on MR provided information.

The following items are included in our scope services:

- Design and coordination meetings with County, FDOT, FP&L Co., and MR Design shall be based on utilizing the County approved Decorative LED luminaries & poles.
- The design lighting levels shall be per the Palm Beach County & FDOT Standards. Lighting design shall be on both (1) & (2) sides of the roadway for Cherry Road.
- The electrical system design shall be based on the County / FDOT / NEC Standards.
- Provide electrical calculations, electrical distribution/ load analysis, grounding systems and lighting calculations with photometric plans that include point-by-point lighting calculations reflecting proposed roadway.
- Design new luminaries/poles installations, electrical service points, load center circuits and conduit systems for roadway lighting to a Final Plans. Includes site plan layouts depicting equipment locations, pole locations, pull boxes, conduit & wire.
- MR shall provide all base plan sheets HEE on AutoCAD 2018 or newer.
- HEE shall provide electrical & lighting design to the MR on AutoCAD 2018.
- HEE shall provide one (1) set of electronic plans for electrical / lighting submittals for 96%, 100% progress submittals & Final Plans County and FDOT reviews.
- MR shall provide all printing of plans for all submittals to County & FDOT.
- Does not include any type design for additional roadways and solar lighting.
- Includes hourly Optional Services for Post Design Services

Our proposed lump-sum fee for TASK 2 electrical design is: \$ 10,990.43

Our proposed hourly Optional Services is: \$ 3,823.65

Sincerely,

Paul Hillers

Paul Hillers, President



[illegible]



CONTRACT FOR PROFESSIONAL PLANNING AND LANDSCAPE ARCHITECTURAL SERVICES

Client: Garry Gruber
Mock, Roos & Associates, Inc.
5720 Corporate Way
West Palm Beach, FL 33407
PH. 561-683-3113
garry.gruber@mockroos.com

Re: Professional Planning and Landscape Architectural Services as required to create a streetscape along a portion of Cherry Road between Country Club Road and the bridge before Quail Drive in Palm Beach County, Florida. PBC Project Number 2021025.

Job Name: Cherry Road from Military Trail to Quail Drive
Date: October 21, 2021, Revised Jan 19, 2022, April 19, 2022, May 25, 2022 Job Number: 21-1009

This is to confirm the authorization to the business entity 2GHO, Inc. Landscape Architects, Planners, Environmental Consultants (Subconsultant) for the performance of Professional Planning and Landscape Architectural Services. The scope of requested services is described herein:

1. Agreement for Services:
- The Subconsultant agrees to provide conceptual design and planning services to the Client as more fully described in the Scope of Work, and the Client agrees to compensate the Subconsultant for those services under the terms of this Agreement. The Subconsultant's services shall be performed in a manner consistent with that degree of skill and care ordinarily exercised by practicing design professionals performing similar services in the same locality, at the same site and under the same or similar circumstances and conditions. The Subconsultant makes no other representations or warranties, whether expressed or implied, with respect to the services rendered hereunder.
- The Owner is the Palm Beach County. The scope of work includes landscape design on Cherry Road for the section from Country Club Road to the bridge before Quail Drive.

TASK 1: SITE CONCEPT & ANALYSIS – BASIC SERVICES

The Landscape Architect will review the site and the existing conditions, noting tree canopies and other offsite influences. The Landscape Architect will review the previously developed cross section and develop a concept for a revised C-C Cross Section.

TASK 1 DELIVERABLES:	Cross Section concept 1 Hour meeting time
FIXED FEE:	\$ 879.84
REIMBURSABLES:	\$ 40.00

TASK 2: MASTER PLAN - BASIC SERVICES

The Landscape Architect will prepare a Master Plan of the proposed layout and include a final C-C Cross Section.

TASK 2 DELIVERABLES:	Master Plan and Cross Section 1 Hour meeting time
FIXED FEE:	\$ 1,079.01
REIMBURSABLES:	\$ 40.00

TASK 3: CONSTRUCTION DOCUMENTATION – OPTIONAL SERVICES

Cherry Road #21-1009
October 21, 2021, Revised January 19, 2022, May 25, 2022
Page 2 of 3

The Landscape Architect shall prepare landscape architectural and irrigation design services for proposed improvements on Cherry Road from Country Club Road to the bridge prior to Quail Drive, Section C-C. 2GHO shall prepare the following plans and documents:

- Typical Landscape Sections
- General Notes and Details
- Landscape Tree Disposition Plans
- Landscape Plans
- Irrigation Plans
- Landscape Architect's opinion of probable construction cost.

2GHO will provide a sustainable landscape addressing the south side of the road and reviewing the north side for any opportunities as appropriate within the right-of-way, reviewed by FDOT along with the Palm Beach County.

At each phase of design and construction development plans, 2GHO will modify their plans based upon changes to layout or utilities which may occur.

TASK 3A DELIVERABLES:	Preliminary (35%) Submittal to FDOT One Team Meeting One Presentation/workshop with County
FIXED FEE:	\$ 1,374.69
REIMBURSABLES:	\$ 20.00

TASK 3B DELIVERABLES:	65% Plans to County & Permitting Efforts One Team meeting (virtual) Response to ERC Comments
FIXED FEE:	\$ 3,120.36
REIMBURSABLES:	\$ 20.00

TASK 3C DELIVERABLES:	Constructability (96% Plans & specs) to FDOT One Team meeting Response to ERC Comments
FIXED FEE:	\$ 2,214.84
REIMBURSABLES:	\$ 20.00

TASK 3D DELIVERABLES:	Production Submittal (100% plans and specs) Response to ERC Comments Provide final signed and sealed package
FIXED FEE:	\$ 2,083.68
REIMBURSABLES:	\$ 0.00

✓

TASK 4: POST DESIGN SERVICES - OPTIONAL SERVICES

The Landscape Architect will provide construction administration services including permitting for up to 20 hours of service including travel time to the site and final certification review.

TASK 4 DELIVERABLES:	Team Meeting One (1) site inspection and punch list Final Landscape Certification Letter
FIXED FEE:	\$ 2,545.89
REIMBURSABLES:	\$ 40.00

✓

LA0000530

EXHIBIT						
Hours Summary for Work Order No. x						
Job Name: Cherry Road from Military Trail to Quail Drive						
PBC Project Number 2021025						
2GHO #Job Number 21-1009						
06.02.22						
WORK ACTIVITY		POSITION	HOURS	RAW RATE	TOTAL	REIMBURSABLE
TASK 1	Site Concept & Analysis BASIC SERVICES	PRINCIPAL	1	\$78.60	\$78.60	
		PROJECT MANAGER	4	\$44.21	\$176.84	
		LAND. ARCH.	1	\$37.84	\$37.84	
		Sub-Total			\$293.28	\$40.00
						\$879.84
TASK 2	Master Plan BASIC SERVICES	PROJECT MANAGER	3	\$44.21	\$132.63	
		LAND. ARCH.	6	\$37.84	\$227.04	
		Sub-Total			\$359.67	\$40.00
					\$1,079.01	
TASK 3A	35% Construction Documentation OPTIONAL SERVICES	PROJECT MANAGER	3	\$44.21	\$132.63	
		LAND. ARCH.	4	\$37.84	\$151.36	
		CADD/TECH	6	\$29.04	\$174.24	
		Sub-Total			\$458.23	\$20.00
						\$1,374.69
TASK 3B	65% Construction Documentation OPTIONAL SERVICES	PROJECT MANAGER	4	\$44.21	\$176.84	
		LAND. ARCH.	9	\$37.84	\$340.56	
		CADD/TECH	18	\$29.04	\$522.72	
		Sub-Total			\$1,040.12	\$20.00
						\$3,120.36
TASK 3C	96% Construction Documentation OPTIONAL SERVICES	PROJECT MANAGER	4	\$44.21	\$176.84	
		LAND. ARCH.	11	\$37.84	\$416.24	
		CADD/TECH	5	\$29.04	\$145.20	
		Sub-Total			\$738.28	\$20.00
						\$2,214.84
TASK 3D	100% Construction Documentation OPTIONAL SERVICES	PRINCIPAL	1	\$78.60	\$78.60	
		PROJECT MANAGER	4	\$44.21	\$176.84	
		LAND. ARCH.	7	\$37.84	\$264.88	
		CADD/TECH	6	\$29.04	\$174.24	
		Sub-Total			\$694.56	\$0.00
					\$2,083.68	
TASK 4	Post Design Services OPTIONAL OPTIONAL SERVICES	PRINCIPAL	2	\$78.60	\$157.20	
		PROJECT MANAGER	3	\$44.21	\$132.63	
		LAND. ARCH.	14	\$37.84	\$529.76	
		CADD/TECH	1	\$29.04	\$29.04	
		Sub-Total			\$848.63	\$40.00
					\$2,545.89	
Total Basic Services			15		\$652.95	
Multiplier			3.0		\$1,958.85	✓
Total Reimbursable Services					\$180.00	
Printing of drawings, mileage to site and meetings, billed at cost.				\$80.00		
Printing of drawings, mileage to site and meetings, billed at cost, Optional				\$100.00		
Total Optional Contract Amount			102		\$3,779.82	
Multiplier			3.0		\$11,339.46	✓

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: Cherry Road From Military Trail to Quail Drive

SOLICITATION/PROJECT/BID NO.: 2021025

SOLICITATION OPENING/SUBMITTAL DATE: September 14, 2021

COUNTY DEPARTMENT: Engineering and Public Works

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Mock, Roos & Associates, Inc. ADDRESS: 5720 Corporate Way, West Palm Beach, FL 33407

CONTACT PERSON: Garrytt G. Gruber, P.E. PHONE NO.: (561) 683-3113 E-MAIL: Garry.Gruber@mockroos.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$74,653.16
Non-SBE MBE WBE SBE
*SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Table with 11 columns: Subcontractor/Sub consultant Name, (Check all Applicable Categories) Non-SBE, MBE, WBE, SBE, Black, Hispanic, Women, Caucasian, Asian, Other. Rows include Hillers Electrical Engineering, Inc. and 2GHO, Inc.

Total Bid/Offer Price \$ 102,945.55
Total Certified S/M/WBE Participation \$ 28,292.39
I hereby certify that the above information is accurate to the best of my knowledge:
Name & Authorized Signature Title

- Note: 1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
2. Only those firms certified by Palm Beach County at the time of solicitation opening or due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.
3. Modification of this form is not permitted and will be rejected upon submittal.

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2021025SOLICITATION/PROJECT NAME: Cherry Road From Military Trail to Quail DrivePrime Contractor: Mock, Roos & Associates, Inc. Subcontractor: Hillers Electrical Engineering, Inc.

(Check box(s) that apply)

☒ SBE ☐ WBE ☐ MBE ☒ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/17/2021 - 10/16/2024

The undersigned affirms they are the following (select one from each column if applicable):

Column 1Column 2Column 3☒ Male ☐ Female☐ African-American/Black ☒ Asian American ☐ Caucasian American☐ Supplier☐ Hispanic American ☐ Native American

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Electrical Engineering	1	LS		\$14,814.08

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$14,814.08

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultantPrice or Percentage:Mock, Roos & Associates, Inc.

Print Name of Prime

By: 

Authorized Signature

Garrytt G. Gruber, P.E.

Print Name

Senior Vice President

Title

Date: 9/12/2022Hillers Electrical Engineering, Inc.

Print Name of Subcontractor/subconsultant

By: 

Authorized Signature

Paul Hillers

Print Name

President

Title

Date: 9/8/2022

Revised 09/17/2019

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 2021025

SOLICITATION/PROJECT NAME: Cherry Road From Military Trail to Quail Drive

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: 2GHO, Inc. Landscape Architects, Planners, Environmental Consultants

(Check box(s) that apply)

[X]SBE []WBE []MBE []M/WBE []Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 04/12/2022 - 04/11/2025

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

[X]Male []Female []African-American/Black []Asian American [X]Caucasian American []Supplier []Hispanic American []Native American

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
2	Landscape Design	1	LS		\$13,478.31

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$13,478.31

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage:

Mock, Roos & Associates, Inc.

Print Name of Prime

By:

Authorized Signature

Garrytt G. Gruber, P.E.

Print Name

Senior Vice President

Title

Date:

9/12/2022

2GHO, Inc. Landscape Architects, Planners, Environmental Consultants

Print Name of Subcontractor/subconsultant

By:

Authorized Signature

George Gentile

Print Name

President

Title

Date:

9/8/22

PROJECT HISTORY

Cherry Road from Military Trail to Quail Drive					
Project# 2021025					
Authorization	Supplement	Date Approved	Total Amount	SBE Amount	SBE %
BCC	Original CSA	7/27/22	\$ 47,314.24	\$ 20,224.20	42.74%
CRC	Supplement # 1	Pending	\$ 79,609.09	\$ 19,317.49	24.26%
BCC	Supplement # 2	Pending	\$ 102,945.55	\$ 28,292.39	27.48%
Project Totals			\$ 229,868.88	\$ 67,834.08	29.50%

EBIX INSURANCE COMPLIANCE

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Insured

Insured Name

Mock Roos (DX00001006)

Mock Roos (2020-0826)

Active Records Only

Advance Search

Insured Tasks

Admin Tools

Insured

Notes

History

Delinquencies

Coverages

Requirements

Contract Screen

udd

idit

islp

Video Tutorials

Name:

Account Number:

Address:

Status:

Mock Roos

DX00001006

5720 Corporate Way, West Palm Beach, FL 33407-2066

Currently in Compliance.

DBA Number

Print Insured Info

Print Compliance Report

Account Information

Account Number: DX00001006

Risk Type: Standard - Professional Services

Do Not Call:

Address Information

Mailing Address

Physical Address

Insured: Mock Roos

Address 1: 5720 Corporate Way

Address 2:

City: West Palm Beach

State: FL

Zip: 33407-2066

Country:

Contract Information

Contract Number: Work Task Order for Civil Design Annual

Contract Start Date:

Contract End Date:

Contract Effective Date:

Contract Expiration Date:

Description of Services: Work Task Order for Civil Design

Safety Form II: No

Contact Information

Contact Name: Dennis Thomas

Misc: Work Task Order for Civil Design Annual

Phone Number: 5614726234

Alt Phone Number:

Fax Number:

E-Mail Address: debbie@mockroos@gmail.com

Approval Date:

Rush: No

Contract on File: No

Certificate Received: No

Indemnification Agreement: No

Tax Id:

This Account created by e61 on 08/10/2020.