

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

Meeting Date:	June 16, 2020	[x]	Consent	[]	Regular
		[]	Workshop	[]	Public Hearing

Department:	Engineering & Public Works Department
Submitted By:	Roadway Production Division
Submitted For:	Westgate Belvedere Homes Community Redevelopment Agency

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve:

- A) a work task order to the Annual Civil Engineering Professional Services Contract (R2019-0717) dated June 4, 2019 (Contract) with Mock, Roos & Associates, Inc. (MRA) in the amount of \$123,702.45 for the Belvedere Heights Phase II project (Project); and
- B) a budget amendment of \$185,500 in the capital outlay fund to recognize reimbursement funding from Westgate Belvedere Homes Community Redevelopment Agency (CRA) and appropriate it to the project.

SUMMARY: Approval of this work task order will provide the design services necessary for the installation of sidewalks and lighting within the Belvedere Heights neighborhood. Per the contract, as amended, the Affirmative Procurement Initiative is 20% Small Business Enterprise (SBE) participation. MRA proposes 19.07% SBE participation for this work task order. Their cumulative SBE participation to date including this work task order is 48.79%. MRA is a Palm Beach County (County) based company. The CRA received a Local Agency Program (LAP) federal grant through the Florida Department of Transportation (FDOT) for construction of the project. The CRA is responsible for funding the design. FDOT requires that the County perform the design and construction as the LAP certification holder in support of the CRA's project. Approval of the budget amendment will recognize reimbursement funding for the project from the CRA. District 2 (YBH)

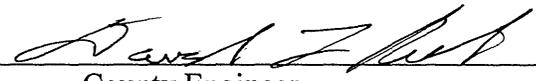
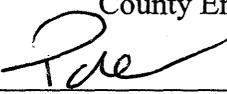
Background and Justification: On June 4, 2019, the Board of County Commissioners (BCC) approved the contract with MRA to provide civil engineering professional services throughout the County. The fee, as detailed in **Exhibit B** of the attached work task order, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$84,559.28	(Roadway Analysis, Roadway Plans, LAP Documents, FDOT Coordination)
Reimbursable Services (Not to Exceed)	\$ 30,970.87	(Permit Fees, Prints and Survey)
Optional Services (Not to Exceed)	<u>\$ 8,172.30</u>	(Post Design)
Total:	\$123,702.45	

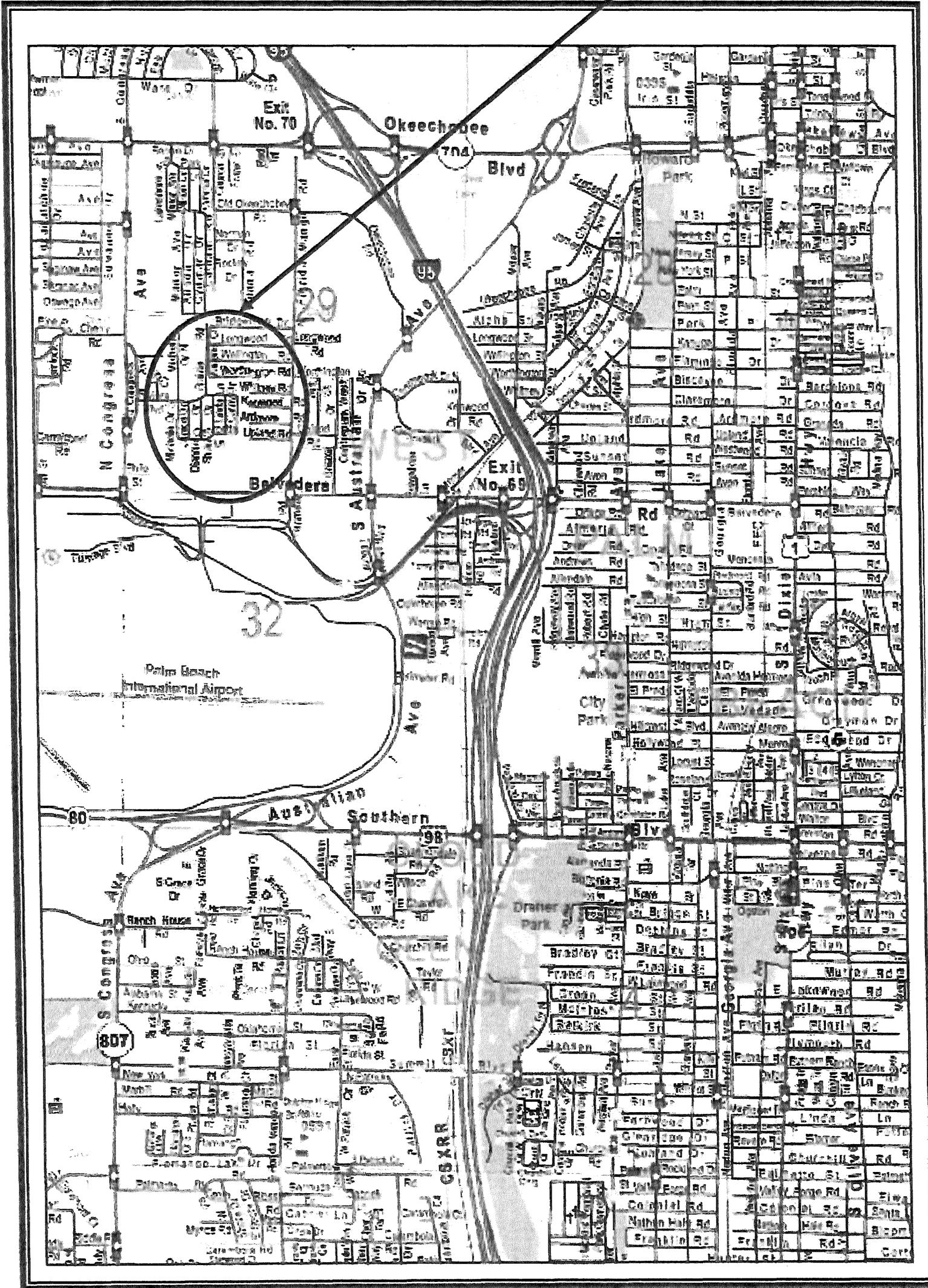
After reviewing the attached work task order for professional services and finding it in proper order, the Engineering Department recommends BCC approval.

Attachments:

1. Location Sketch
2. Work Task Order with Exhibits A, B and C and Ebox Insurance Compliance (2)
3. Budget Amendment

Recommended by: 	County Engineer	Date <u>5/20/2020</u>
Approved By: 	Assistant County Administrator	Date <u>6/2/20</u>

Belvedere Heights Phase II
Palm Beach County Project No. 2019024



LOCATION SKETCH N ↑

**WORK TASK ORDER TO THE
ANNUAL CIVIL ENGINEERING PROFESSIONAL SERVICES CONTRACT
BY AND BETWEEN PALM BEACH COUNTY
AND MOCK, ROOS & ASSOCIATES, INC. FOR
BELVEDERE HEIGHTS PHASE II
PROJECT # 2019024**

This Work Task Order to the Annual Civil Engineering Professional Services Contract (R2019-0717), dated June 4, 2019 (ANNUAL CONTRACT), is made and entered into the _____ day of _____, 20____, by and between Palm Beach County, a political subdivision of the State of Florida, by and through its Board of County Commissioners (COUNTY) and Mock, Roos & Associates, Inc. (CONSULTANT) (individually Party and collectively Parties).

WITNESSETH

WHEREAS, the COUNTY and CONSULTANT entered into the ANNUAL CONTRACT on a work task order basis on June 4, 2019 (R2019-0717) as amended on May 5, 2020 (R2020-0402); and

WHEREAS, the COUNTY intends to install sidewalks and lighting along three (3) residential streets for the **Belvedere Heights Phase II** project, No. **2019024** (PROJECT); and

WHEREAS, the COUNTY desires the CONSULTANT to perform design services 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 \$84,559.28
- Reimbursable Expenses capped at \$30,970.87
- Optional Services capped at \$8,172.30
- Totaling \$123,702.45**

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:

The above recitals are true and correct and are incorporated herein.

The following Exhibits are attached to and made a part of this Work Task Order.

Exhibit A - Scope of Work including Work Schedule

Exhibit B - Fee Schedule

Exhibit C – OEBO Schedules 1 and 2

The COUNTY agrees to pay the CONSULTANT a fee of One Hundred Twenty Three Thousand Seven Hundred Two Dollars and Forty Five Cents (\$123,702.45) for this Work Task Order.

REMAINDER OF PAGE LEFT BLANK INTENTIONALLY

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida has made and executed this Work Task Order for the PROJECT, pursuant to the ANNUAL CONTRACT, as amended, on behalf of the COUNTY, and CONSULTANT has hereunto set its hand the day and year above written.

OWNER:

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

CONSULTANT:

Mock, Roos & Associates, Inc.

BY: _____
Dave Kerner, Mayor

BY: 5/19/20
Garry Gruber, P.E., Senior Vice President

S E A L

CORPORATE SEAL

ATTEST:

Sharon R. Bock, Clerk & Comptroller
Circuit Court

ATTEST WITNESS:

BY: Debra C. McCray
(Print Name)

BY: _____
(Deputy Clerk)

Debra C McCray
(Signature)

APPROVED AS TO TERMS AND CONDITIONS:

BY: Jane E. Hayes
(Print Name)

BY: Morton L. Rose
Morton L. Rose, P.E. Director
of Roadway Production

Jane E. Hayes
(Signature)

APPROVED AS TO FORM & LEGAL SUFFICIENCY:

BY: Yelzaveta B. Herman
Yelzaveta B. Herman,
Assistant County Attorney

Andrea Mikov-Ryan
Exhibit A - Pages 1 of 10
3/17/2020

Company Name Change

SJT
1/27/2020

EXHIBIT "A"
BELVEDERE HEIGHTS – PHASE 2
ENGINEERING DESIGN SERVICES
Palm Beach County Project No. 2019024
SCOPE OF SERVICES

November 20, 2019
Revised February 26, 2020

OVERVIEW

Palm Beach County is assisting the Westgate/Belvedere Homes CRA in obtaining a FDOT LAP Funding for installing sidewalks and lighting along the three (3) following residential streets in unincorporated Palm Beach County:

- Wellington Road (1320 feet long)
- Longwood Road (1320 feet long)
- Bridgeman Drive (1320 feet long)

Each street is proposed to receive 6-foot wide sidewalks (totaling about 6,600 feet long) on both sides of each paved roadway (except Bridgeman Drive), and eleven (11) streetlights dispersed in a zig-zag fashion on each road (except Bridgeman Drive – where six (6) will be installed on one side), for a total of 28 pedestrian lights. These are approximate values and may change slightly following engineering analysis. Sidewalks must conform to current ADA standards, possibly requiring reconstruction of driveway aprons within the rights-of-way, to be evaluated on a case by case basis. The existing right-of-way width of each street is 50 feet. No additional right-of-way acquisition or easements into private property are permitted.

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 must 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. Land Surveying (by Brown & Phillips, Inc.)
4. Cultural Resource Assessment (by Janus Research)

This proposal provides for engineering services required through the preparation of final plans. 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 to be installed.

All work to be performed under this scope of services shall be in accordance with the terms and provisions of the Basic Services agreement as an Annual Civil Engineering Consultant, including amendments, between Palm Beach County and Mock, Roos & Associates, Inc. (Mock•Roos), dated June 4, 2019. Any additional services requested by the County beyond this scope of services shall be performed under a separate authorization.

SCOPE OF SERVICES DESCRIPTION

Project Management:

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

1. Preparing a team project schedule to meet the requirements of the established FDOT schedule and monitor the team's progress.
2. Coordinate with each subconsultant by establishing specific scope requirements, 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 five (5) meetings are estimated with the County.
4. Providing plans for County & FDOT reviews, and prepare responses to comments, as follows:
 - a. Initial 35% progress submittal to County; make revisions – resubmit to County for FDOT submittal; make FDOT revisions – resubmit 35% to FDOT.
 - b. 65% progress submittal to County; incorporate 35% review comments; hold revisions for next FDOT submittal.
 - c. Constructability (96%) progress submittal to County including revisions from 65% review – resubmit 96% package to County for FDOT submittal; review FDOT comments; prepare responses to FDOT Constructability comments and make appropriate plan revisions.
 - d. Final (100%) submittal to County; make revisions – resubmit to County for FDOT Production Package submittal; make FDOT revisions, if any – resubmit Final Production Package to County for FDOT.

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

5. Assist Palm Beach County by addressing questions and providing relevant data to FDOT for obtaining the LAP Funding on this project.

Land Surveying:

Brown & Phillips, Inc. (B&P) will perform a specific purpose/topographic survey that will include the following tasks:

Horizontal Project Network Control

Using the information supplied by Palm Beach County, B&P will establish the Right-of-Way for each of the three (3) roads. A traverse will be run through the route and found monumentation will be tied in. The survey will be oriented to Palm Beach County horizontal control (NAD 83/90 Adjustment). The sectional and geodetic control information will be obtained from the Palm Beach County Survey Department.

The limits of the survey are Wellington Road, Longwood Road and Bridgeman Drive from the eastern right-of-way of Florida Mango Road (intersections extend to 25' past return of curbs, not in between side streets) to the end of each road.

Right-of-Way

B&P will review and compile any title information furnished for the R/W, abutting properties, easements, and restrictions. No search of the Public Records will be performed. Review of the title package and plotting all R/W documents and easements on the Survey will be performed. The County will be alerted of any missing R/W segments that make up the entire R/W corridor. All gaps or overlaps will be brought to the County's attention.

Vertical Project Network Control

A level run will be performed along the route using the existing Palm Beach County benchmarks (NAVD 1988). Benchmarks will be set along the route, not exceeding 600 feet apart. All benchmarks will be set outside of the proposed limits of construction.

Baseline Layout

B&P will lay out the baseline at 100-foot intervals setting appropriate points at each station. The baseline will be laid out within the limits of the 4,300'± route. These baseline points will be used in the topographic and cross section phase to locate features and facilitate checks. The existing R/W will be staked at 100' intervals in accordance with the Design Standards Page 20 Phase IIE.

Reference Points

B&P will reference the baseline at intervals not exceeding 1,400 feet along the route. These points will be used to replace disturbed baseline stations. Up to ten (10) references (2 on each street) will be established. Baseline control (begin/end project all PC's & PT's) both horizontal and vertical will be set and referenced outside the limits of construction. B&P will prepare a Project Network Control (PNC) Sheet meeting Palm Beach County Roadway Standards.

Section Ties and Property Ties

B&P will tie in section corners and property corners along the route to check the present alignments of Wellington Road, Longwood Road, and Bridgeman Drive. Surveyors will attempt to locate as many corners as possible to positively establish the current rights of way. A minimum of two (2) Palm Beach County geodetic points will be tied into to meet County requirements. Subdivision corners, section corners and other existing control monumentation that will assist in the establishment of the R/W will be located and shown on the Survey.

Topography

A topographic survey will be performed along the route. This survey will tie in all visible features such as, but not limited to, signs, light poles, guardrails, utilities, walks, edge of pavement, curbing, drainage structures, trees, etc. These locations will show all features within the corridor from right of way to right of way extending to 10' outside the proposed right of way (as provided prior to start of the field work). Driveway elevations along each side and in the middle of each driveway will be obtained. In addition, all sidewalk ramps will be checked for ADA slopes. No finish floor elevations will be obtained.

Cross Sections and TIN Creation (DTM)

Field surveyed cross sections will be performed along the route at 100-foot intervals. These cross sections will cover the roadway to the right of way lines and extend to 10 feet outside of the right of way (as provided prior to start of the field work). In addition, a TIN file will be prepared with all the corresponding break lines for the design of the roadways. Since a TIN is required, this will entail additional information to be obtained on the cross sections to accurately depict the existing conditions. The TIN file will be part of the submittal to Palm Beach County.

As-Builts

B&P will attempt to get as-built information on all the pipes leading out of any storm structures found. Invert elevations, pipe sizes and materials for all pipes located including outfall pipes, will be obtained.

Closure

A certified Signed and Sealed Topographic Survey (11" x 17" sheets on a 1" = 40' scale) will be prepared and delivered to the County, to be included with the engineering plans showing the existing R/W and supporting record information, in addition to all improvements as outlined. B&P will provide Mock-Roos with an AutoCAD file in the version requested. Any additional work will be performed on an hourly basis as approved by the County.

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 sidewalks on the designated four residential streets. The following tasks will be performed:

1. Prepare construction drawings in accordance with Palm Beach County Design Standards, consisting of:
 - a. Plan View Base Map from surveys, on County aerial photography.
 - b. Inclusion of any public utilities in the project area that may affect the project, to be incorporated in the base map file. Survey and/or base maps will be provided to the County for direct coordination with utility companies in the project area.
 - c. Project Location/Title Sheet.
 - d. Street Typical Sections showing the proposed improvements (sidewalks and streetlights).
 - e. Construction Plan Sheets (6 estimated, 1"=40' scale – 11x17 format) indicating finished grading, supporting data, etc. (no profiles of streets required)

- f. Construction Notes and Legends.
 - g. Street Cross Sections (estimated 42 sections)
 - h. Summary of Quantities table with Pay Item footnotes, as required.
2. Evaluate the effect of adding sidewalks within the roadway R/W upon the current drainage system for each street. This portion of the Belvedere Heights area appears to be outside of the Westgate/Belvedere Homes subdivision and permitted master drainage system.
 3. Design of new storm collection pipes and/or structures is not anticipated. This project appears to qualify for an Exempt Permit Status from SFWMD as minor roadway safety construction limited to sidewalks six feet wide or less. (Ref. 62-330.051 (4) (c)). We will confirm the exempt status in writing with SFWMD.
 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. Technical specifications will be the *FDOT Standard Specifications for Road and Bridge Construction* (latest edition).
 7. 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 suggested.

Electrical Engineering:

Hillers Electrical Engineering, Inc. will provide Electrical Engineering for the Street Lighting portion of the project. The project scope will include:

1. 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. One photometric lighting plan based on the County's selection from up to two chosen fixture types will be provided. Photometrics design based on FDOT lighting standards or similar.
2. Lighting design shall be on both sides of the roadway for Wellington Rd and Longwood Rd and single sided on Bridgeman Dr.
3. The electrical system design shall be based on the County / FDOT / NEC Standards.

4. Provide voltage drop calculations.
5. Provide electrical calculations and lighting calculations with photometric plans that include point-by-point lighting calculations reflecting proposed roadway.
6. Design new luminaries/poles installations, electrical service point, circuits and conduit systems for roadway lighting to Final Plans. Includes site plan layouts depicting equipment locations, pole locations, conduit & wire.
7. Electrical & lighting design provided to MR on AutoCAD 2018.
8. One (1) set of electronic plans for electrical / lighting submittals for 35%, 65%, 96%, 100% progress submittals & Final Plans County and FDOT reviews.
9. Does not include any type design for additional roadways.
10. Provide hourly Optional Services for Post Design activities.
11. Coordinate with FPL for service points. Proposed lighting will be based on obtaining FPL typical street lighting tariffs.

Cultural Resource Assessment:

Janus Research will perform a Cultural Resource Assessment Survey for the Belvedere Heights Streetlights and Sidewalks-Phase I. Because this is a LAP project and must meet Florida Department of Transportation guidelines, the project methodology will comply with Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 -- *Protection of Historic Properties* (incorporating amendments effective August 5, 2004); Stipulation VII of the *Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida* (Section 106 Programmatic Agreement, effective March 2016, amended June 7, 2017); Section 4(f) of the *Department of Transportation Act of 1966*, as amended (49 USC 303); Chapter 267, *Florida Statutes*; and the minimum field methods, data analysis, and reporting standards embodied in the FDHR' *Cultural Resource Management Standards and Operational Manual* (February 2003), and Chapter 1A-46 (*Archaeological and Historical Report Standards and Guidelines*), *Florida Administrative Code*. In addition, this report will be prepared in conformity with standards set forth in Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the *FDOT Project Development and Environment Manual* (June 14, 2017). All work will also conform to professional guidelines set forth in the *Secretary of Interior's Standards and Guidelines for Archaeology and Historic Preservation* (48 FR 44716, as amended and annotated) and Chapter 1A-46 (*Archaeological and Historical Report Standards and Guidelines*), *Florida Administrative Code*.

Background Research

As part of our services, Janus Research will survey and photograph the historic resources in the project area, perform background research regarding the historic significance of the resources, and determine if they are potentially eligible for listing in the *National Register of Historic Places (National Register)*.

A historical literature and background information search pertinent to the project areas will be conducted. This will include a search of the Florida Master Site File, County and local site inventories, books and journal articles, unpublished CRM reports, and the like. Every effort will be made to solicit historic and site location information from other professionals, amateur archaeologists and collectors, lay historians, and the local residents of the project area.

In addition to reviewing the previously compiled archaeological site data for the project area, environmental variables known to be associated with prehistoric and historic sites will be reviewed for the purpose of developing a predictive model of archaeological site occurrence. Predictive models enable the researcher to stratify a study area into areas of high site potential based on the co-occurrence of relevant environmental variables. Data from archaeological surveys throughout Florida have repeatedly demonstrated the validity of using environmental variables as predictors of prehistoric site location.

Archaeological Survey

The archaeological survey will include a reconnaissance level survey to document existing conditions and determine whether archaeological subsurface testing is feasible. Any area where archaeological subsurface testing is possible will be marked and coordination with the Sunshine One Call Center will be conducted to locate any underground utilities.

Subsurface tests will be .5 m (20 inches) in diameter and dug to a minimum depth, subsurface conditions permitting, of one meter (3.3 feet). All excavated soils will be sifted through 6.4 mm (¼ inch) metal hardware cloth screen suspended from portable wooden frames. Any cultural materials recovered will be stored in plastic bags with all provenience data recorded. Field notes on each test performed will be recorded, and the location of all tests will be clearly marked on aerial photographs of the project area. A Florida Master Site File form will be completed for each archaeological site identified during the survey.

Historic Resources Survey

Based on this project, an architectural historian and at least one technical assistant will conduct an historic resources survey in order to ensure that resources are identified, properly mapped, and photographed. Janus Research has conducted numerous projects with similar scopes, and a key aspect of this work is defining the area of potential effect (APE). Due to the limited nature of the improvements, the APE will be narrowly defined, which will limit the number of resources. However, it is understood that significant resources, including historic districts could be present within or adjacent to the APE, but it is unlikely. Florida Master Site File (FMSF) forms will only be completed for resources directly within the APE; the forms will include field data, notes from site observations and informant interviews. The estimated date of construction and distinctive features

will also be noted. Photographs will be taken with a digital camera. A log will be kept to record the resource's physical location and compass direction of each photograph.

The resources' significance will then be evaluated for potential eligibility for listing in the *National Register*. Historic physical integrity will be determined from site observations, field data, and photographic documentation. If possible, informant interviews with individuals knowledgeable about local history will be conducted to assist in the research for known significant historical associations.

Report

A report presenting the methods, findings, evaluations, and recommendations of the cultural resource assessment survey will be prepared and submitted to the client for review and comment. This report will be prepared as to conform to the standards set forth in the FDOT PD&E Manual's requirements as well as the FDHR Historic Preservation Compliance Review Program manual. After receiving the comments, Janus Research will revise the document and prepare a final that will be submitted to the Florida Department of Transportation and the State Historic Preservation Officer for concurrence. We will provide a digital version of the report on CD, and three hard copies will be produced, including the hard copy and associated material required by the State Historic Preservation Officer/Florida Division of Historical Resources.

A cover letter can also be prepared, which can be transmitted to the agencies. If it appears there are no adverse effects to significant resources based on the improvements, this can be stated in the cover letter.

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:

Deliverables Under This Scope of Services:

- INITIAL PHASE Submittal (35% Progress) to FDOT: latest due date: **April 20, 2020**
- Draft Environmental Report (CRAS) to FDOT: latest due date: **October 16, 2020**
- 65% Progress Submittal to County: latest due date: **July 15, 2020 est.**
- CONSTRUCTABILITY PHASE Submittal (96% Progress) to FDOT: latest due date: **October 9, 2020**
- PRODUCTION PHASE (Final) Submittal to FDOT: latest due date: **January 13, 2021**

Meeting these milestones requires receipt of written authorization and Notice to Proceed no later than January 15, 2020, 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 Palm Beach County a minimum of three (3) weeks prior to the latest due date to FDOT. Per FDOT LAP requirements each submittal must have a signed engineer's cost estimate. All deliverables shall include 2 hard copies of plans and supporting information, and 2 CD's containing all appropriate information.

**PALM BEACH COUNTY - PROJECT NO. 2019024
 BELVEDERE HEIGHTS - PHASE 2
 ENGINEERING DESIGN SERVICES
 PROPOSED PROJECT SCHEDULE**

March 3, 2020

ID	Task Mode	Task Name	Duration	Start	Finish	2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd Qu	
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1		NOTICE TO PROCEED	0 days	Tue 3/31/20	Tue 3/31/20														
2		Receipt of R/W & Title Information	5 days	Wed 4/1/20	Tue 4/7/20														
3		Data Collection/Field Surveys	24 days	Wed 4/8/20	Mon 5/11/20														
4		Submit Survey for County Review	0 days	Tue 5/12/20	Tue 5/12/20														
5		County Review of Survey - Revisions - Approval	45 days	Wed 5/13/20	Tue 7/14/20														
6		Phase I - Prepare Typical Sections & Master Plan with Preliminary Lighting Plan	7 days	Wed 5/13/20	Thu 5/21/20														
7		Phase I - Typical Section & MP Submittal	0 days	Thu 5/21/20	Thu 5/21/20														
8		Phase I - Typical Section Review by County	10 days	Fri 5/22/20	Thu 6/4/20														
9		Prepare Base Maps from Initial Survey	5 days	Tue 5/12/20	Mon 5/18/20														
10		Utility Coordination Plans to Utility Companies	7 days	Wed 5/13/20	Thu 5/21/20														
11		Conduct Environmental/Historical Study	65 days	Tue 5/12/20	Mon 8/10/20														
12		Prepare Draft CRAS Report	30 days	Tue 8/11/20	Mon 9/21/20														
13		Submit to FDOT for Review	0 days	Tue 9/22/20	Tue 9/22/20														
14		Revise and Prepare Final CRAS Report	65 days	Wed 9/23/20	Tue 12/22/20														
15		Conduct Preliminary Field Review	5 days	Fri 5/22/20	Thu 5/28/20														
16		Phase I - 35% Roadway & Lighting Plans	19 days	Tue 5/19/20	Fri 6/12/20														
17		Phase I - 35% Plan Submittal	0 days	Mon 6/15/20	Mon 6/15/20														
18		Phase I - 35% Plan Review by County	10 days	Tue 6/16/20	Mon 6/29/20														
19		Response to County/CRA Comments	3 days	Tue 6/30/20	Thu 7/2/20														
20		Initial Phase Submittal to FDOT	0 days	Fri 7/3/20	Fri 7/3/20														
21		Utility Coordination Meeting/Pothole Req	15 days	Fri 7/3/20	Thu 7/23/20														
22		65% Roadway & Lighting Plans	50 days	Mon 7/27/20	Fri 10/2/20														
23		65% Plan Submittal to County	0 days	Fri 10/2/20	Fri 10/2/20														
24		65% Plan Review by County	15 days	Mon 10/5/20	Fri 10/23/20														
25		Regulatory Agency Permitting	30 days	Mon 10/26/20	Fri 12/4/20														
26		96% Roadway & Lighting Plans	23 days	Mon 10/26/20	Wed 11/25/20														
27		Final Utility Conflict Resolution Meeting	10 days	Fri 9/4/20	Thu 9/17/20														
28		96% Plan Submittal to County	0 days	Wed 11/25/20	Wed 11/25/20														
29		96% Plan Review by County	15 days	Thu 11/26/20	Wed 12/16/20														
30		96% Revisions	5 days	Thu 12/17/20	Wed 12/23/20														
31		Constructability Phase Submittal to FDOT	0 days	Wed 12/23/20	Wed 12/23/20														
32		Constructability Plan Review by FDOT	15 days	Thu 12/24/20	Wed 1/13/21														
33		Responses to FDOT Comments	7 days	Thu 1/14/21	Fri 1/22/21														
34		100% Roadway & Lighting Plans	17 days	Mon 1/25/21	Tue 2/16/21														
35		100% Plan Submittal to County	0 days	Tue 2/16/21	Tue 2/16/21														
36		100% Plan Review by County	21 days	Wed 2/17/21	Wed 3/17/21														
37		Final Plan Revisions	7 days	Thu 3/18/21	Fri 3/26/21														
38		Production Phase Submittal to FDOT	0 days	Fri 3/26/21	Fri 3/26/21														

**MOCK-ROOS
BELVEDERE HEIGHTS STREETLIGHTS & SIDEWALKS PROJECT - PHASE 2
ENGINEERING DESIGN SERVICES
FDOT LAP FUNDING**

B8040.20

**Palm Beach County Engineering & Public Works Department
Estimate of Manpower Requirements & Professional Services Fee**

PBC - 2019024

TASK DESCRIPTION	Project Manager	Engineer	Engineer Intern	CADD Technician	Total Hours	Amount
PROJECT TEAM MANAGEMENT						
1. Prepare team project schedule and monitor progress	8				8 ✓	\$ 533.68
2. Attending meetings with County or FDOT (up to 3)	12	12	6		30 ✓	\$ 1,454.52
3. Prepare FDOT & PBC submittals (35%, 65%, 96%, 100%, Final) /responses	18	20	28	8	74 ✓	\$ 3,080.78
4. Preparing LAP Documents, queries from FDOT	22	19	14		65	\$ 2,642.82
CIVIL ENGINEERING CONSTRUCTION DRAWINGS						
1. Project Location/Title Sheet (1 sheet)			2	5	8	\$ 248.00
2. Construction Notes and Legends (1 sheet)		2	1	5	8	\$ 254.00
3. Summary of Quantities with Pay Item notes (1 sheet) including lighting	1	2	3	4	10	\$ 353.71
4. Prepare base maps from survey with utility data from utility companies		2	4	6	12	\$ 376.00
5. Prepare Street Typical Sections (up to 3 streets) (1 sheet est.)	2	4	5	3	14	\$ 531.42
6. Prepare Plan Sheets for sidewalk construction (est 6 sheets)	10	40	54	42	146	\$ 5,119.10
7. Utility Coordination (initial markups, potholing, meetings)	2	4	4	2	12 ✓	\$ 471.42
8. Prepare Cross Sections (6 sheets) (est 42 x-sections)		10	26	41	77	\$ 2,385.00
9. Quantity calculations and cost estimate including lighting	3	4	12	3	22	\$ 815.13
10. Evaluate drainage and create conceptual design to meet criteria	1	7	8		16	\$ 587.71
Staff Hours	79	127	167	119	492	
Total Staff Costs	\$ 5,270.09	\$ 4,953.00	\$ 5,177.00	\$ 3,451.00		\$ 18,851.09
Raw Labor Rates	\$ 66.71	\$ 39.00	\$ 31.00	\$ 29.00		
BASIC SERVICES:			SALARY RELATED COST			\$ 18,851.09
				MULTIPLIER		2.72
						\$ 51,274.96
						\$ 33,284.32
						\$ 84,559.28
REIMBURSABLES:						
Mock-Roos Out-of-Pocket Expenses (reproduction, etc.) see attached						\$ 525.40
Subconsultants						
Brown & Phillips - Surveys						\$ 23,588.47
Janus Research - Cultural Resource Assessment						\$ 6,857.00
TOTAL ESTIMATED REIMBURSABLES						\$ 30,970.87
						\$ 115,530.15
POST-DESIGN SERVICES (Optional)						
Mock-Roos (hourly) see attached						\$4,689.82
Hillers Electrical Engineering, Inc. (hourly)						\$3,482.48
TOTAL ESTIMATED POST-DESIGN SERVICES						\$8,172.30
						\$ 123,702.45



HILLERS ELECTRICAL ENGINEERING, INC.

November 19, 2019

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
 Belvedere Heights Streetlighting Phase 2 (Wellington Rd, Longwood Rd,
 and Bridgeman Dr. Total 3,960 LF). 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) Belvedere Heights Streetlighting Phase 2 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 sides of the roadway for Wellington Rd and Longwood Rd and single sided on Bridgeman Dr.
- The electrical system design shall be based on the County / FDOT / NEC Standards.
- Provide voltage drop calculations.
- Provide electrical calculations and lighting calculations with photometric plans that include point-by-point lighting calculations reflecting proposed roadway.
- Design new luminaries/poles installations, electrical service point, circuits and conduit systems for roadway lighting to a Final Plans. Includes site plan layouts depicting equipment locations, pole locations, 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 35%, 65%, 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.
- Includes hourly Optional Services.

Our proposed lump-sum fee for electrical design is:	\$ 33,284.32
Our proposed hourly Optional Services is:	\$ 3,482.48

Sincerely,

Thomas Doran, Vice-President

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Palm Beach County Belvedere Heights Streetlights and Sidewalks Project- Phase 2								
HILLERS ELECTRICAL ENGINEERING, INC.								
SCOPE FEE SUMMARY								
FEE PROPOSAL ELECTRICAL DESIGN 02/28/2020								
	Rate	\$210.16 ✓	\$133.36 ✓	\$142.00 ✓	\$74.00 ✓			
	Proj. Mgr.	Prof. Eng.	Lead Eng.	CADD/Tech			Total	TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours			Hours	TASK COST
DESIGN								
Design Coordination Mtgs	1	4	4				9 ✓	\$1,391.80 ✓
On site verifications/Discovery Phase		8	8				16 ✓	\$2,362.88 ✓
Photometric Design		8	16	20			44 ✓	\$4,978.88 ✓
Voltage Drop Calculations		8	8				16 ✓	\$2,362.88 ✓
35%, 65%, 96% Progress Submittals To PBC & FDOT	4	40	64	40			148 ✓	\$19,023.04 ✓
100% Final Plans Design To PBC & FDOT	1	8	8	8			25 ✓	\$3,165.04 ✓
LUMP SUM TOTAL	6 ✓	78 ✓	108 ✓	68 ✓			258 ✓	\$33,284.32 ✓
OPTIONAL SERVICES	1	12	8	4			25 ✓	\$3,482.48 ✓
HOURLY TOTAL	1 ✓	12 ✓	8 ✓	4 ✓			25 ✓	\$3,482.48 ✓
Grand Total Hours	7 ✓	88 ✓	116 ✓	72 ✓			283 ✓	\$36,768.80 ✓
Grand Total Labor Cost	\$1,471.12	\$13,495.68	\$16,472.00	\$5,328.80	\$0.00	\$0.00		\$36,768.80 ✓

Multiplier: 2.84 ✓

Multiplier: 2.84

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PBC 2019024

BELVEDERE HEIGHTS - PHASE 2 STREETLIGHTS & SIDEWALKS PROJECT - ENGINEERING DESIGN
Mock-Roos Out-of-Pocket Expenses
 November 20, 2019
 Revised February 26, 2020

Project Management & Contract Document Production

<u>REPRODUCTION</u>	<u># submit</u>	<u># sheets</u>	<u># copies</u>	<u>rate</u>	<u>Amount</u>
11x17 copies					
35%, 65%, 96%, 100% Prog Subm (PBC & FDOT)	5	20	6	\$ 0.25	\$ 150.00 ✓
Miscellaneous Working Copies	1	150	4	\$ 0.25	\$ 150.00 ✓
22x34 copies					
Project meeting exhibits	2	3	3	\$ 1.20	\$ 21.60 ✓
Miscellaneous working copies	1	3	3	\$ 1.20	\$ 10.80 ✓
8-1/2x11 copies					
Typical Cross Section Package	2	5	5	\$ 0.10	\$ 5.00 ✓
Computations	4	10	8	\$ 0.10	\$ 32.00 ✓
Quantities & Cost Estimates	5	24	8	\$ 0.10	\$ 96.00 ✓
Correspondence documents	1	150	2	\$ 0.10	\$ 30.00 ✓
Miscellaneous working copies	1	150	2	\$ 0.10	\$ 30.00 ✓
TOTAL REPRODUCTION					\$ 525.40 ✓

Optional Services

<u>POST-DESIGN SERVICES (hourly)</u>	<u># hours</u>	<u>raw labor rate</u>	<u>Amount</u>
Project Manager	20	66.71 ✓	\$1,334.20 ✓
<u>Engineer</u>	<u>10</u>	<u>39.00 ✓</u>	<u>\$390.00 ✓</u>
Subtotal	30		\$1,724.20 ✓
	multiplier	2.72 ✓	<u>\$4,689.82 ✓</u>

Multiplier: 2.72 ✓

B8040.20

Multiplier: 2.72



August 14, 2019

Mr. Dennis Thomas, P.E.
Mock Roos and Associates, Inc.
5720 Corporate Way
West Palm Beach, FL 33407

Re: Belvedere Heights Streetlights and Sidewalks Project Phase 2 - Wellington Road (west of Florida Mango Road), Longwood Road and Bridgeman Road - Specific Purpose Survey

Dear Dennis:

Thank you for the opportunity to provide you with the following services for the subject site. This proposal is based on documentation and information provided by your office. The scope of services is as follows:

SCOPE OF SERVICES

We will perform a specific purpose/topographic survey under this project and the survey work will be performed in accordance with the current Standards of Practice, The Thoroughfare Design Standards and all County requirements.

I. HORIZONTAL PROJECT NETWORK CONTROL

Using the information supplied by Palm Beach County, we will establish the Right-of-Way for Wellington, Longwood and Bridgeman Roads. A traverse will be run through the route and found monumentation will be tied in. The survey will be oriented to Palm Beach County horizontal control (NAD 83/90 Adjustment). We will obtain the sectional and geodetic control information from the Palm Beach County Survey Department. The limits of the survey are outlined in pink on the included map.

II. RIGHT-OF-WAY

We will review and compile any title information furnished to us for the rights-of-way (R/W), abutting properties, easements, and restrictions. No search of the Public Records will be performed by Brown & Phillips. We will review the title package and plot all right-of-way documents and easements on the Survey and alert the County of any missing R/W segments that make up the entire R/W corridor. All gaps or overlaps will be brought to the County's attention.

III. VERTICAL PROJECT NETWORK CONTROL

A level run will be performed along the route using the existing Palm Beach County benchmarks (NAVD 1988). Benchmarks will be set along the route, not exceeding 600 feet apart. All benchmarks will be set outside of the proposed limits of construction.

IV. BASELINE LAYOUT

We will lay out the baseline at 100-foot intervals setting appropriate points at each station. The baseline will be laid out within the limits of the 4,200'± route. These baseline points will be used in the topographic and cross section phase to locate features and facilitate checks. The Right-of-Way will be staked at 100' intervals in accordance with the Design Standards Page 20 Phase IIE.

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1880 Old Okeechobee Road • Suite 509 • West Palm Beach, Florida 33409
(561) 615-3988 • Fax (561) 615-3991

M: PROPOSALS BY COMPANY Mock Roos Belvedere Heights Streetlights and Sidewalks Project Phase 2 Specific Purpose Survey.doc

Thomas
 August 14, 2019
 Page 2

V. REFERENCE POINTS

We will reference the baseline at intervals not exceeding 1400 feet along the route. These points will be used to replace disturbed baseline stations. We propose to set six (6) references (2 on each street). Baseline control (begin/end project all PC's & PT's) both horizontal and vertical will be set and referenced outside the limits of construction. We will prepare a Project Network Control (PNC) Sheet meeting Palm Beach County Roadway Standards.

VI. SECTION TIES AND PROPERTY TIES

We will tie in section corners and property corners along the route to check the present alignment of Wellington Road, Longwood Road and Bridgeman Road. We will try to locate as many corners as possible to positively establish the current rights of way. We will tie in a minimum of two (2) Palm Beach County geodetic points to meet County requirements. Subdivision corners, section corners and other existing control monumentation that will assist in the establishment of the R/W will be located and shown on the Survey.

VII. TOPOGRAPHY

A topographic survey will be performed along the route. This survey will tie in all visible features such as, but not limited to, signs, light poles, guardrails, utilities, walks, edge of pavement, curbing, drainage structures, trees, etc. These locations will show all features within the corridor from right of way to right of way extending to 10' outside the proposed right of way (if provided prior to start of the field work). We will obtain driveway elevations along each side and in the middle of each driveway. In addition, we will shoot all sidewalk ramps for ADA slopes. No finish floor elevations will be obtained.

VIII. CROSS SECTIONS and TIN CREATION (DTM)

Cross sections will be done along the route at 100-foot intervals. These cross sections will cover the roadway to the right of way lines and extend to 10 feet outside of the right of way (if provided prior to start of the field work). In addition, we will prepare a TIN file and all the corresponding break lines for the design of the roadway. Since a TIN is required this will entail additional shots to be taken on the cross sections to accurately depict the existing conditions.

IX. AS-BUILTS

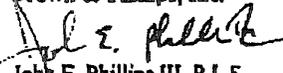
We will attempt to get as-built information on all the pipes leading out of any storm structures found. We will show invert elevations, pipe sizes and materials for all pipes located including outfall pipes.

X. CLOSURE

A certified signed and sealed Topographic Survey (11" x 17" sheets on a 1" = 40' scale) will be prepared and delivered, to be included with the engineering plans (sheets SURX-SURXX) showing the existing right-of-way and supporting record information in addition to all improvements as outlined. We propose to provide Mock Roos & Associates with an AutoCAD file in the version requested. Any additional work will be done on an hourly basis as approved by you. We will perform the scope of services for a lump sum fee of \$23,588.47 (see Table 'A' for an hourly breakdown). Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

Sincerely,

Brown & Phillips, Inc.


 John E. Phillips III, P.L.S.
 Principal

JEP:mb

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TABLE 'A'

**Belvedere Heights Streetlights and Sidewalks Project Phase 2
Wellington Road, Longwood Road and Bridgeman Road**

Type of Survey: Specific Purpose
Size: 4200'±

Date: August 14, 2010

TASK	3 MAN CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Meetings and Coordination				2	
Horizontal Project Network Control	3		1		Establish control
Title Review			16	4	Review/compile furnished right-of-way
Vertical Project Network Control	4		1		Set benchmarks along corridor
Baseline Layout	3		0.5		Layout baseline at 100' intervals
Reference Points	6		1		Set references and prepare PNC Sheet
Section Ties			0.5		Tie in PBCo. Horizontal control
Subdivision & Property Ties	8		4	2	Tie in adjoining property corners
Topography and Cross Sections	52		8	1	Locate all above ground features 100' cross sections, TIN file
As-builts	2		0.5		As-built storm structures
Tree Locations	7		0.5		Locate planted trees in R/W to 25' outside R/W (4" or greater)
Specific Purpose Survey		36	4	3	Prepare drawing of Specific Purpose Survey - 8 sheets
Address Comments		8	8	2	
Total Hours:	85 ✓	44 ✓	45 ✓	14 ✓	
Rate/Hour	\$162.37 ✓	\$90.28 ✓	\$90.28 ✓	\$125.15 ✓	
Subtotal:	\$13,801.45 ✓	\$3,972.32 ✓	\$4,062.60 ✓	\$1,752.10 ✓	
Total Labor Cost:					\$23,588.47 ✓

Other Direct Costs:	<u>quantity</u>	<u>unit</u>	<u>cost/unit</u>	<u>total</u>	
Legal Description & Sketch		each	\$500.00	\$0.00	
Prints		sheet	\$1.50	\$0.00	
Shipping		cost x markup	1.20	\$0.00	
Total Other Direct Costs:					\$0.00
TOTAL PRICE	3.0 Multiplier ✓				\$23,588.47 ✓

Multiplier: 3.0



Janus Research
August 7, 2019

**Cultural Resources Assessment Survey for the
Belvedere Heights Streetlights and Sidewalks-Phase 2
Palm Beach County**

Please find a cost proposal for our services to perform a Cultural Resource Assessment Survey for the Belvedere Heights Streetlights and Sidewalks-Phase 2. The project methodology will comply Section 106 of the *National Historic Preservation Act (NHPA) of 1966* (Public Law 89-655, as amended), as implemented by 36 CFR 800 – *Protection of Historic Properties* (incorporating amendments effective August 5, 2004); Stipulation VII of the *Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida* (Section 106 Programmatic Agreement, effective March 2016, amended June 7, 2017); Section 4(f) of the *Department of Transportation Act of 1966*, as amended (49 USC 303); Chapter 267, *Florida Statutes*; and the minimum field methods, data analysis, and reporting standards embodied in the FDHR' *Cultural Resource Management Standards and Operational Manual* (February 2003), and Chapter 1A-46 (*Archaeological and Historical Report Standards and Guidelines*), *Florida Administrative Code*. In addition, this report will be prepared in conformity with standards set forth in Part 2, Chapter 12 (*Archaeological and Historic Resources*) of the *FDOT Project Development and Environment Manual* (June 14, 2017). All work will also conform to professional guidelines set forth in the *Secretary of Interior's Standards and Guidelines for Archaeology and Historic Preservation* (48 FR 44716, as amended and annotated) and Chapter 1A-46 (*Archaeological and Historical Report Standards and Guidelines*), *Florida Administrative Code*.

Background Research

As part of our services, Janus Research will survey and photograph the historic resources in the project area, perform background research regarding the historic significance of the resources, and determine if they are potentially eligible for listing in the *National Register of Historic Places (National Register)*.

A historical literature and background information search pertinent to the project areas will be conducted. This will include a search of the Florida Master Site File, County and local site inventories, books and journal articles, unpublished CRM reports, and the like. Every effort will be made to solicit historic and site location information from other professionals, amateur archaeologists and collectors, lay historians, and the local residents of the project area.

In addition to reviewing the previously compiled archaeological site data for the project area, environmental variables known to be associated with prehistoric and historic sites will be

reviewed for the purpose of developing a predictive model of archaeological site occurrence. Predictive models enable the researcher to stratify a study area into areas of high site potential based on the co-occurrence of relevant environmental variables. Data from archaeological surveys throughout Florida have repeatedly demonstrated the validity of using environmental variables as predictors of prehistoric site location.

Survey

Archaeological Survey.

The archaeological survey will include a reconnaissance level survey to document existing conditions and determine whether archaeological subsurface testing is feasible. Any area where archaeological subsurface testing is possible will be marked and coordination with the Sunshine One Call Center will be conducted to locate any underground utilities.

Subsurface tests will be .5 m (20 inches) in diameter and dug to a minimum depth, subsurface conditions permitting, of one meter (3.3 feet). All excavated soils will be sifted through 6.4 mm (¼ inch) metal hardware cloth screen suspended from portable wooden frames. Any cultural materials recovered will be stored in plastic bags with all provenience data recorded. Field notes on each test performed will be recorded, and the location of all tests will be clearly marked on aerial photographs of the project area. A Florida Master Site File form will be completed for each archaeological site identified during the survey.

Historic Resources Survey. Based on this project, an architectural historian and at least one technical assistant will conduct an historic resources survey in order to ensure that resources are identified, properly mapped, and photographed. Janus Research has conducted numerous projects with similar scopes, and a key aspect of this work is defining the area of potential effect (APE). Due to the limited nature of the improvements, the APE will be narrowly defined, which will limit the number of resources. However, it is understood that significant resources, including historic districts could be present within or adjacent to the APE, but it is unlikely. Florida Master Site File (FMSF) forms will only be completed for resources directly within the APE; the forms will include field data, notes from site observations and informant interviews. The estimated date of construction and distinctive features will also be noted. Photographs will be taken with a digital camera. A log will be kept to record the resource's physical location and compass direction of each photograph.

The resources' significance will then be evaluated for potential eligibility for listing in the *National Register*. Historic physical integrity will be determined from site observations, field data, and photographic documentation. If possible, informant interviews with individuals knowledgeable about local history will be conducted to assist in the research for known significant historical associations.

Report

A report presenting the methods, findings, evaluations, and recommendations of the cultural resource assessment survey will be prepared and submitted to the client for review and comment. This report will be prepared as to conform to the standards set forth in the FDOT PD&E Manual's requirements as well as the FDHR Historic Preservation Compliance Review Program manual. After receiving the comments, Janus Research will revise the

document and prepare a final. We will provide a digital version of the report on CD, and three hard copies will be produced, including the hard copy and associated material required by the State Historic Preservation Officer/Florida Division of Historical Resources.

A cover letter can also be prepared, which can be transmitted to the agencies. If it appears there are no adverse effects to significant resources based on the improvements, this can be stated in the cover letter.

JANUS RESEARCH
Cost Proposal
CRAS for the Belvedere Heights Streetlights and
Sidewalks-Phase II



February 27, 2020

POSITION	HOURS		RATE	TOTAL
Principal Investigator	8	\$	110.00 ✓ \$	880.00 ✓
Project Archaeologist	23	\$	69.00 ✓ \$	1,587.00 ✓
Field Archaeologist	8	\$	39.00 ✓ \$	312.00 ✓
Architectural Historian	20	\$	86.00 ✓ \$	1,720.00 ✓
Historical Technician	38	\$	54.00 ✓ \$	2,052.00 ✓
Graphics Specialist	6	\$	51.00 ✓ \$	306.00 ✓
Total Direct Labor				\$6,857.00 ✓

TOTAL LUMP SUM AMOUNT

\$6,857.00

✓
MMS

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Belvedere Heights Phase 2
 NAME OF PRIME RESPONDENT/BIDDER: Mock, Roos & Associates, Inc.
 CONTACT PERSON: Dennis J. Thomas, P.E.
 SOLICITATION OPENING/SUBMITTAL DATE: _____

SOLICITATION/PROJECT/BID No.: 2019024
 ADDRESS: 5720 Corporate Way, WPB, FL 33407
 PHONE NO.: (561) 683-3113 E-MAIL: dennis.thomas@mockroos.com
 DEPARTMENT: _____

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

Name, Address and Phone Number	(Check all Applicable Categories)			DOLLAR AMOUNT OR PERCENTAGE OF WORK				
	Non-SBE	M/WBE Minority/Women Business	SBE Small Business	Black	Hispanic	Woman	Caucasian	Other (Please Specify)
1. <u>Mock, Roos & Associates, Inc.</u> <u>5720 Corporate Way</u> <u>West Palm Beach, FL 33407</u> <u>(561) 683-3113</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	<u>\$56,490.18</u>	_____
2. <u>Hillers Electrical Engineering, Inc.</u> <u>23257 State Road 7, Suite 100</u> <u>Boca Raton, FL 33428</u> <u>(561) 451-9165</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	<u>\$36,766.80</u>	_____
3. <u>Brown & Phillips</u> <u>1880 Old Okeechobee Road, #509</u> <u>West Palm Beach, FL 33409</u> <u>(561) 615-3988</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>\$23,588.47</u>	_____	_____	_____	_____
4. <u>Janus Research</u> <u>1107 N. Ward Street</u> <u>Tampa, FL 33407</u> <u>(813) 636-8200</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	<u>\$6,857.00</u>	_____
5. _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

	Total	<u>\$23,588.47</u>	<u>\$100,113.98</u>
Total Bid Price \$ <u>\$123,702.45</u>	Total SBE - M/WBE Participation	<u>\$60,355.27</u>	

I hereby certify that the above information is accurate to the best of my knowledge:

 Signature	Garry Gruber, P.E. Senior Vice President Title
--	--

- Note:
1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
 3. Modification of this form is not permitted and will be rejected upon submittal.

OEBO LETTER OF INTENT – SCHEDULE 2

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: 2019024

SOLICITATION/PROJECT NAME: Belvedere Heights - Phase 2

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: Mock, Roos & Associates, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (If applicable): _____

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

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier	
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> 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	Civil	1	LS		\$56,490.18

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: \$56,490.18

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
Garry Gruber, P.E.
 Print Name
Senior Vice President
 Title
 Date: February 28, 2020

Mock, Roos & Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: _____
 Authorized Signature
Garry Gruber, P.E.
 Print Name
Senior Vice President
 Title
 Date: February 28, 2020

OEBO LETTER OF INTENT – SCHEDULE 2

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: 2019024
 SOLICITATION/PROJECT NAME: Belvedere Heights - Phase 2

Prime 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): 10/17/18-10/16/21

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

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> 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	Electrical	1	LS		\$36,766.80

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: \$36,766.80

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.

NONE Price or Percentage: 0

Name of 2nd/3rd tier Subcontractor/subconsultant

Mock, Roos & Associates, Inc.
 Print Name of Prime
 By: [Signature]
 Authorized Signature
Gary Gruber, P.E.
 Print Name
Senior Vice President
 Title
 Date: February 28, 2020

Hillers Electrical Engineering, Inc.
 Print Name of Subcontractor/subconsultant
 By: [Signature]
 Authorized Signature
Thomas Doran
 Print Name
Vice-President
 Title
 Date: February 28, 2020

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: 2019024
 SOLICITATION/PROJECT NAME: Belvedere Heights - Phase 2

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: Brown & Phillips, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 01/31/19-01/30/22

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> 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
3	Survey	1	LS		\$23,588.47

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: \$23,588.47

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: [Signature]
 Authorized Signature
Garry Gruber, P.E.
 Print Name
Senior Vice President
 Title
 Date: February 28, 2020

Brown & Phillips, Inc.
 Print Name of Subcontractor/subconsultant
 By: [Signature]
 Authorized Signature
Anthony Brown, P.L.S.
 Print Name
CEO
 Title
 Date: February 28, 2020

OEBO LETTER OF INTENT – SCHEDULE 2

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: 2019024

SOLICITATION/PROJECT NAME: Belvedere Heights - Phase 2

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: Janus Research

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> 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
4	Cultural Resource Assessment	1	LS		\$6,857.00

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: \$6,857.00

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
Garry Gruber, P.E.
 Print Name
Senior Vice President
 Title
 Date: February 28, 2020

Janus Research, Inc.
 Print Name of Subcontractor/subconsultant
 By: _____
 Authorized Signature
Kenneth Hardin
 Print Name
President
 Title
 Date: February 28, 2020

Insured Name
 Mock, Roos & Associates, Inc.
 Mock, Roos & Associates, Inc.
[Active Records Only](#)
[Advance Search](#)

Insured
 Name: Mock, Roos & Associates, Inc.
 Account Number: DX00000504
 Address:
 Status: Currently in Compliance

Insured Tasks Admin Tools

View

- Insured
- Notes
- History
- Deficiencies
- Coverages
- Requirements
- Contract Screen

- Add
- Edit
- Help
- Video Tutorials

Insured

Business Unit(s)	DBA Number	Print Insured Info
------------------	------------	--------------------

Account Information
 Account Number: DX00000504
 Risk Type: Standard - Professional Services
 Do Not Call: Address Updated

Address Information
 Mailing Address Physical Address

Insured: Mock, Roos & Associates, Inc.
 Address 1:
 Address 2:
 City:
 State:
 Zip:
 Country:

Contract Information
 Contract Number:
 Contract Start Date: Contract End Date:
 Contract Effective Date: Contract Expiration Date:
 Description of Services: Civil Engineering Annual Services on a Work Task Order Basis Safety Form II No

Contact Information
 Contact Name: Debra Mccray Misc:
 Phone Number: 5816833113 Alt Phone Number:
 Fax Number:
 E-Mail Address: Debbie@MockRoos.com
 Approval Date:
 Rush: No
 Contract on File: No
 Certificate Received: No
 Indemnification Agreement: No
 Tax Id:

This Account created by c28 on 02/19/2020.

2020- 0766

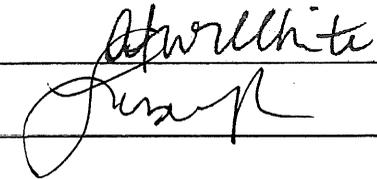
**BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY
BUDGET Amendment**

FUND Capital Outlay

**BGRV 042220*450
BGEX 042220*1287**

ACCOUNT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 04/22/2020	REMAINING BALANCE
REVENUES								
BELVEDERE HIGHTS PHASE II								
3900-361-1944-6943	Reimbursement Expenses-Other	0	0	185,500	0	185,500		
TOTAL RECEIPTS & BALANCES		30,765,569	27,204,765	185,500	0	27,390,265		
EXPENDITURES								
BELVEDERE HIGHTS PHASE II								
3900-361-1944-8101	Contributions Other Governmental Agencies	0	0	185,500	0	185,500	0	185,500
TOTAL APPROPRIATIONS & EXPENDITURES		30,765,569	27,204,765	185,500	0	27,390,265		

Engineering & Public Works
Administration / Budget Approval
OFMB Department – Posted

SIGNATURE


DATE

5/21/2020

By Board of County Commissioners
At Meeting of June 2, 2020

Deputy Clerk to the
Board of County Commissioners