

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

Meeting Date:	June 2, 2020	<input checked="" type="checkbox"/>	Consent	<input type="checkbox"/>	Regular
		<input type="checkbox"/>	Workshop	<input type="checkbox"/>	Public Hearing
Department:	Engineering & Public Works Department				
Submitted By:	Roadway Production Division				
Submitted For:	Roadway Production Division				

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: a work task order to the Intersection Improvements Annual Services Contract (R2017-0778) dated June 20, 2017 with Bolton Perez & Associates, Inc. (BPA) in the amount of \$111,154.97 for professional services for the Military Trail and Old Boynton Road intersection improvements (Project).

SUMMARY: Approval of this work task order will provide the design services necessary for the project to construct a northbound to eastbound right turn lane on Military Trail at Old Boynton Road. The annual contract was approved on June 20, 2017, prior to the effective date of the Equal Business Opportunity Ordinance and pursuant to the Small Business Enterprise (SBE) Ordinance at that time. The SBE goal for all contracts was 15%. BPA committed to 16% SBE participation for the contract. Their cumulative SBE participation to date including this work task order is 25.67%. BPA has a corporate office in Miami and offices located in Palm Beach County (County). Districts 4&5 (YBH)


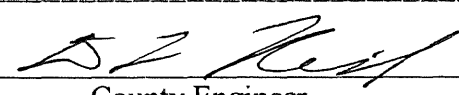
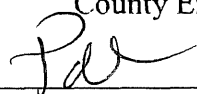
Background and Justification: On June 20, 2017, the Board of County Commissioners (BCC) approved the Contract R2017-0078 with BPA to provide professional services for the design of intersection improvements throughout the County. The fee, as detailed in **Exhibit B** of the attached work task order, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$70,222.28	(Roadway Analysis and Plans, Drainage Analysis and Plans, Utilities, Environmental Permits, Compliance & Clearances, Signing and Pavement Marking Analysis and Plans)
Optional Services	\$20,465.67	(Post Design Support and Signalization Design and Plans)
Reimbursable Services (Not to Exceed)	\$20,467.02	(Design Survey and Geotechnical Design)
Total:	<u>\$111,154.97</u>	

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 Ebix Insurance Compliance (2)

 Recommended by: YBH/TEL	 County Engineer	9/22/2020 Date
Approved By:	 Assistant County Administrator	4/28/20 Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2020	2021	2022	2023	2024
Capital Expenditures	<u>\$155,618</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Operating Costs	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
External Revenues	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Program Income (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
In-Kind Match (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
NET FISCAL IMPACT	<u>\$155,618</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget?	Yes	X	No	
Does this item include the use of federal funds?	Yes		No	X

Budget Account No:
Fund 3504 Dept 361 Unit 1940 Object 6505


Recommended Sources of Funds/Summary of Fiscal Impact:
Road Impact Fee Zone 4 Fund
Military Trl. & Old Boynton Rd. Intersection Improvements


New Task Authorization	
Basic Services	\$ 70,222.28
Reimbursables	\$ 20,467.02
Optional Services	\$ 20,465.67
Total Task Authorization	<u>\$111,154.97</u>
Staff Charges	
Roadway Production	\$ 22,231.00
Right of Way	\$ 5,558.00
Survey	\$ 5,558.00
Traffic	\$ 11,116.00
Fiscal Impact	<u>\$155,617.97</u>

C. Departmental Fiscal Review: *[Signature]*

III. REVIEW COMMENTS

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


 Robert Kaurer 4/22/2020
 DC 4/22 OFMB 4/22


 Dr. J. Javala 4/28/2020
 Contract Dev. and Control 4-28-2020 TW

**B. Approved as to Form
and Legal Sufficiency:**

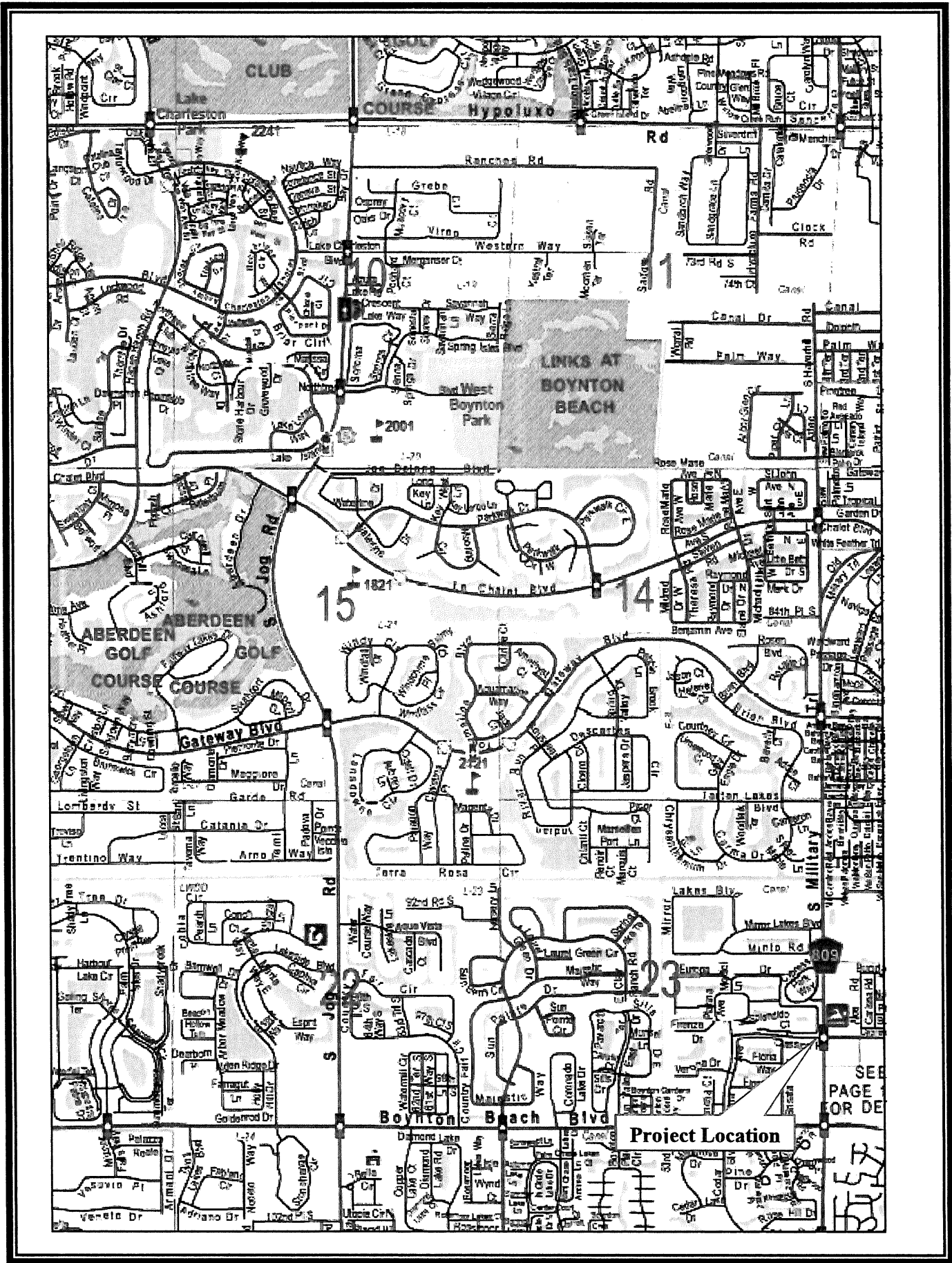
[Signature] for
1st Yelizaveta B. Herman
YBH
Assistant County Attorney

C. Other Department Review:

Department Director

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

Military Trail and Old Boynton Road Intersection Improvements
Palm Beach County Project No. 2019111



LOCATION SKETCH

**WORK TASK ORDER TO THE
INTERSECTION IMPROVEMENTS ANNUAL SERVICES CONTRACT
BY AND BETWEEN PALM BEACH COUNTY
AND BOLTON PEREZ & ASSOCIATES, INC. FOR
MILITARY TRAIL AND OLD BOYNTON ROAD INTERSECTION IMPROVEMENTS
PROJECT # 2019111**

This Work Task Order to the Contract for Annual Intersection Improvements (R2017-0778), dated June 20, 2017 (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 Bolton Perez & 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 20, 2017 (R2017-0778) as amended on May 1, 2018 (R2018-0634), January 15, 2019 (R2019-0020); and June 4, 2019 (R2019-0711); and

WHEREAS, the COUNTY intends to construct **Military Trail and Old Boynton Road Intersection Improvements**, Project No. **2019111** (PROJECT); and

WHEREAS, the COUNTY desires the CONSULTANT to perform design services for the PROJECT; and

WHEREAS, the CONSULTANT agrees to prepare the design plans and construction bid documents, including related documents required 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 \$70,222.28
Reimbursable Expenses capped at \$20,467.02
Optional Services capped at \$20,465.67
Totaling **\$111,154.97**

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 Eleven Thousand One Hundred Fifty Four Dollars and Ninety Seven Cents (\$111,154.97) 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:

BY: _____
Dave Kerner, Mayor

SEAL

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

BY: _____
(Deputy Clerk)

**APPROVED AS TO TERMS
AND CONDITIONS:**

BY: /s/ Morton L. Rose for
Omelio A. Fernandez, P.E.
Director of Roadway Production

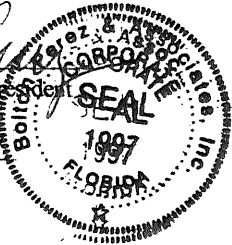
**APPROVED AS TO FORM &
LEGAL SUFFICIENCY:**

BY: /s/ Yelizaveta B. Herman
Yelizaveta B. Herman,
Assistant County Attorney

CONSULTANT:
Bolton Perez & Associates, Inc.

BY: Joaquin Perez
Joaquin Perez, P.E., President

CORPORATE SEAL



ATTEST WITNESS:

BY: VIVIAN NAVARRO
(Print Name)
Vivian Navarro
(Signature)

BY: Jerry Pierre-Louis
(Print Name)
[Signature]
(Signature)

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:

BY: _____
Dave Kerner, Mayor

S E A L

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

BY: _____
(Deputy Clerk)

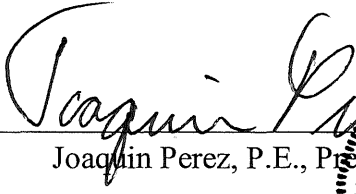
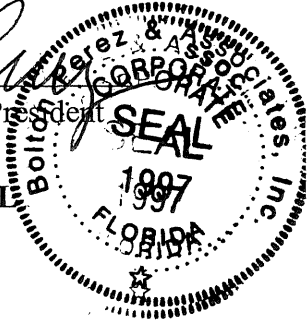
**APPROVED AS TO TERMS
AND CONDITIONS:**

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

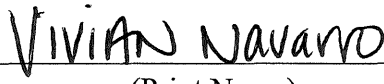
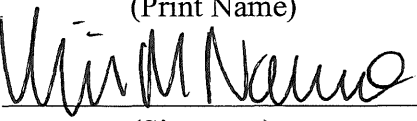
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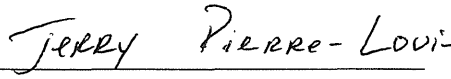
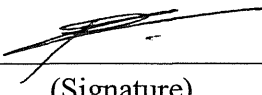
BY: _____
Yelizaveta B. Herman,
Assistant County Attorney

CONSULTANT:
Bolton Perez & Associates, Inc.

BY:  _____
Joaquin Perez, P.E., President

CORPORATE SEAL

ATTEST WITNESS:

BY:  _____
(Print Name)
 _____
(Signature)

BY:  _____
(Print Name)
 _____
(Signature)



SCOPE OF SERVICES
PBC Project Number 2019111
Military Trail and Old Boynton Road Intersection Improvement

The subject project consists of survey, geotechnical engineering, civil engineering and permitting at the intersection of Military Trail and Old Boynton Road.

Bolton Perez & Associates, Inc. will provide Palm Beach County the required engineering services to develop final contract documents, including plans, specifications, quantities and construction cost estimates for the Military Trail and Old Boynton Road intersection improvement as follows:

- Construct a NB to EB right turn (RT) lane by minimum widening of the existing pavement to the east.
- The RTL will provide a minimum of 330' of storage (including taper length)
- Right of way (ROW) impacts will be minimized or eliminated by evaluating the following options:
 - Reduce the median width on the NB approach to the intersection
 - Reduce through lane and turn lane widths if possible (minimum 11')
 - Reduce the existing 8' sidewalk to 6'
 - Eliminate the existing undesignated shoulder
- If after implementing these impact minimization techniques, ROW acquisition is still required, a 5' keyhole for a future designated bike lane will be provided.
- Address drainage impacts as needed.
- Address ADA ramps and accessibility
- Mill and resurface the limits of the impacted area for re-striping purposes
- Provide signing and pavement markings (for informational purposes only) for the impacted limits.
- Utility coordination
- Permit coordination.
- Limits of land and engineering surveying, shall extend 800' south of the intersection, 500' north of the intersection and 100' east and west of the intersection.

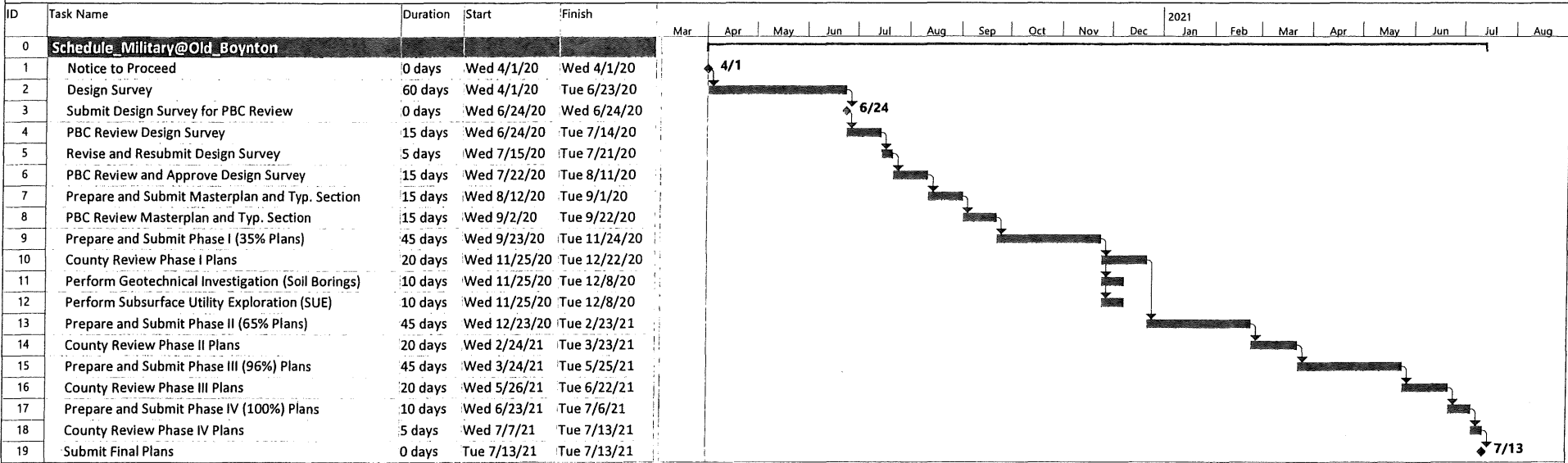
OPTIONAL SERVICES

- Prepare 2 parcel sketches and legal descriptions if ROW acquisition is needed.
- Replace the existing joint use span wire mounted traffic signal with a new mast arm mounted system. Mast arms will be located to meet all MUTCD criteria for signal head placement.
- Replace signal controller
- Provide ADA compliant countdown pedestrian signals with recall buttons
- Provide video detection for signal recall
- Provide internally illuminated street signs to be mounted on the signal mast arms
- Signalization specifications package
- As-built signal plans (post design)
- Geotechnical investigation (soil borings) for signal mast arm pole placement
- SUE for mast arm poles
- Structural analysis for mast arm poles



Basic Services	Reimbursable Services	Optional Services
Master Plan and Typical Section		Post Design Support
Phase I (35%) Plans	Design Survey	
Phase II (65%) Plans	Geotechnical	Signalization design and
Phase III (96%)	Investigation	plans
Phase IV (100%)		
Final Plans		

Project Schedule
Military Trail and Old Boynton Road Intersection Improvements
PBC Project No. 2019111



ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project:
County:
Palm Beach County Project Number
FAP No.:

Military Trail and Old Boynton Rd. Intersection Improvements
Palm Beach
2019111
NA

Consultant Name: Bolton Perez and Associates, Inc.
Consultant No.: enter consultants proj. number
Estimator: Luis Costa, PE

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager	Chief Engineer	Senior Engineer	Senior Project Engineer	Engineer	Engineer Intern	Designer	CADD / Technician	Staff Classification 9	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$205.25 ✓	\$228.71 ✓	\$181.20 ✓	\$138.92 ✓	\$102.68 ✓	\$80.65 ✓	\$92.38 ✓	\$52.10 ✓	\$0.00			
4. Roadway Analysis	158 ✓	16	8	16	32	32	32	16	6	0	158 ✓	\$20,115.56	\$127.31
5. Roadway Plans	182 ✓	20	9	18	36	36	36	18	9	0	182 ✓	\$23,157.73	\$127.24
6a. Drainage Analysis	52 ✓	6	3	5	10	10	10	5	3	0	52 ✓	\$6,664.33	\$128.16
6b. Drainage Plans	20 ✓	2	1	2	4	4	4	2	1	0	20 ✓	\$2,527.47	\$126.37
7. Utilities	59 ✓	6	3	6	12	12	12	6	2	0	59 ✓	\$7,530.31	\$127.63
8. Environmental Permits, Compliance & Clearances	20 ✓	2	1	2	4	4	4	2	1	0	20 ✓	\$2,527.47	\$126.37
19. Signing & Pavement Marking Analysis	24 ✓	3	1	2	5	5	5	2	1	0	24 ✓	\$3,054.97	\$127.29
20. Signing & Pavement Marking Plans	38 ✓	2	2	4	8	8	8	4	2	0	38 ✓	\$4,644.44	\$122.22
Total Staff Hours	553 ✓	57 ✓	28 ✓	55 ✓	111 ✓	111 ✓	111 ✓	55 ✓	25 ✓	0	553		
Total Staff Cost		\$11,699.25	\$6,403.88	\$9,966.00	\$15,420.12	\$11,397.48	\$8,952.15	\$5,080.90	\$1,302.50	\$0.00		\$70,222.28 ✓	\$126.98

Check = \$70,222.28

Optional Services

Roadway Post Design Services	20	2	1	2	4	4	4	2	1	0	20 ✓	\$2,527.47	\$126.37
18. Structures - Signalization	20	2	1	2	4	4	4	2	1	0	20 ✓	\$2,527.47	\$126.37
21. Signalization Analysis	49	5	2	5	10	10	10	5	2	0	49 ✓	\$6,178.27	\$126.09
22. Signalization Plans	28	3	1	3	6	6	6	3	0	0	28 ✓	\$3,598.70	\$128.53
Signal Post Design Services	20	2	0	0	6	5	4	2	1	0	20 ✓	\$2,316.88	\$115.84
Signal As-Built Plans (Post Design)	20	2	0	0	6	5	4	2	1	0	20 ✓	\$2,316.88	\$115.84
Total Staff Cost												\$19,465.67 ✓	

Contract Multiplier = Rates are Burdened

Basic Services:

Salary Related Costs:	
Subtotal Basic Services:	\$70,222.28 ✓
Reimbursables:	
Subconsultant 1 Brown and Phillips, Inc.	\$12,441.70 ✓
Subconsultant 2 GCME, Inc.	\$8,025.32 ✓
Subtotal Reimbursables:	\$20,467.02 ✓
Optional Services:	
Post Design & Signal Design Services (Bolton Perez & Associates, Inc.)	\$19,465.67 ✓
Sketch and Legal Descriptions (Brown & Phillips, Inc.)	\$1,000.00 ✓
Subtotal Optional Services:	\$20,465.67 ✓
Grand Total Estimated Fees:	\$111,154.97 ✓

4. Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	8	8	
4.2	Pavement Type Selection Report	LS	1	0	0	
4.3	Pavement Design Package	LS	1	0	0	
4.4	Cross-Slope Correction	LS	1	0	0	
4.5	Horizontal /Vertical Master Design Files	LS	1	66	66	Lower range project 200 hrs x 0.25 miles (along Military Trail) = 50 hrs. + 16hrs for intersection geometry
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Evaluation	LS	1	0	0	
4.8	Roundabout Final Design Analysis	LS	1	0	0	
4.9	Cross Section Design Files	LS	1	20	20	40 hrs per mile for lower range projects x 0.25 miles x 2 (50' spacing)
4.10	Traffic Control Analysis	LS	1	0	0	NA
4.11	Master TCP Design Files	LS	1	0	0	NA
4.12	Selective Clearing and Grubbing	LS	1	0	0	
4.13	Tree Dispostion Plan	LS	1	0	0	
4.14	Design Variations and Exceptions	LS	1	0	0	NA
4.15	Design Report	LS	1	0	0	
4.16	Quantities	LS	1	32	32	Computation Book
4.17	Cost Estimate	LS	1	16	16	Initial estimate at 12 hrs + 1 update at 4 hrs
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
4.19	Other Roadway Analyses	LS	1	0	0	
Roadway Analysis Technical Subtotal					142	

4. Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	8	8	2 people at 4 hrs each
4.21	Monitor Existing Structures	LS	1	0	0	NA
4.22	Technical Meetings	LS	1	8	8	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	0%	0	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	0%	0	
Roadway Analysis Nontechnical Subtotal					16	
4.26	Coordination	LS	%	0%	0	
4. Roadway Analysis Total					158	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0		0
Pavement	EA	0	0	0		0
Masterplan	EA	0	0	0		0
15% Line and Grade	EA	0	0	0		0
Driveways	EA	0	0	0		0
Local Governments	EA	0	0	0		0
Work Zone Traffic Control	EA	0	0	0		0
35%, 65%, 96%, 100% Comment Review Meeting	EA	1	4	4		0
Other Meetings (PBC Engineering)	EA	1	4	4		0
Subtotal Technical Meetings				8	Subtotal Project Manager Meetings	0
Progress Meetings	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
Total Meetings				8	Total Project Manager Meetings (carries to Tab 3)	0

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	8	8	
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	8	8	
5.3	Typical Section Sheets						
5.3.1	Typical Sections		EA	1	16	16	
5.3.2	Typical Section Details		EA	1	8	8	
5.4	General Notes/Pay Item Notes		Sheet	1	8	8	
5.5	Summary of Quantities Sheets		Sheet	1	16	16	
5.6	Project Layout		Sheet	0	0	0	
5.7	Plan/Profile Sheet		Sheet	3	6	18	3 sheets along Military Trail
5.8	Profile Sheet		Sheet	0	0	0	
5.9	Plan Sheet		Sheet	0	0	0	
5.10	Special Profile		Sheet	0	0	0	
5.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	
5.12	Interchange Layout Sheet		Sheet	0	0	0	
5.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	
5.14	Intersection Layout Details		Sheet	0	0	0	
5.15	Special Details		EA	1	8	8	

5. Roadway Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.16	Cross-Section Pattern Sheet(s)		Sheet	0	0	0	
5.17	Roadway Soil Survey Sheet(s)		Sheet	1	1	1	
5.18	Cross Sections		EA	26	3	78	
5.19	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	
5.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	
5.21	Temporary Traffic Control Detail Sheets		Sheet	0	0	0	
5.22	Utility Adjustment Sheets		Sheet	0	0	0	
5.23	Selective Clearing and Grubbing Sheet(s)						
5.23.1	Selective Clearing and Grubbing		Sheet	0	0	0	
5.23.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	
5.24	Tree Disposition Sheet(s)						
5.24.1	Tree Disposition Plan Sheet(s)		Sheet	0	0	0	
5.24.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	
5.25	Project Network Control Sheet(s)		Sheet	1	1	1	
5.26	Environmental Detail Sheets		Sheet	0	0	0	
5.27	Utility Verification Sheet(s) (SUE Data)		Sheet	1	12	12	
Roadway Plans Technical Subtotal						182	✓
5.28	Quality Assurance/Quality Control		LS	%	0%	0	
5.29	Supervision		LS	%	0%	0	
5. Roadway Plans Total						182	✓

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	0	0	0	
6a.2	Base Clearance Calculations	Per Location	0	0	0	
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	
6a.4	Design of Cross Drains	EA	0	0	0	
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	
6a.9	Design of Storm Drains	EA	5	4	20	2 existing curb inlets, 1 new curb inlet, 1 ditch bottom inlet, 1 manhole and a converted manhole; assume no treatment required
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.11.a	Existing French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	1	0	0	
6a.14	Bridge Hydraulic Report	EA	0	0	0	
6a.15	Temporary Drainage Analysis	LS	1	0	0	
6a.16	Cost Estimate	LS	1	0	0	
6a.17	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
6a.18	Hydroplaning Analysis	LS	1	0	0	
6a.19	Existing Permit Analysis	LS	1	12	12	Research existing drainage system
6a.20	Other Drainage Analysis	LS	1	8	8	Spread Analysis
Drainage Analysis Technical Subtotal					40	

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.21	Field Reviews	LS	1	8	8	2 people at 4 hrs each
6a.22	Technical Meetings	LS	1	4	4	Meetings are listed below
6a.23	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.24	Quality Assurance/Quality Control	LS	%	0%	0	
6a.25	Independent Peer Review	LS	%	0%	0	
6a.26	Supervision	LS	%	0%	0	
Drainage Analysis Nontechnical Subtotal					12	
6a.27	Coordination	LS	%	0%	0	
6a. Drainage Analysis Total					52	

6b. Drainage Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map (Including Interchanges)		Sheet	0	0	0	
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	
6b.3	Summary of Drainage Structures		Sheet	1	12	12	
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	2	4	8	
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	
6b.7	Lateral Ditch Plan/Profile		Sheet	0	0	0	
6b.8	Lateral Ditch Cross Sections		EA	0	0	0	
6b.9	Retention/Detention Ponds Detail Sheet(s)		Sheet	0	0	0	
6b.10	Retention Pond Cross Sections		EA	0	0	0	
6b.11	Erosion Control Plan Sheet(s)		Sheet	0	0	0	
6b.12	SWPPP Sheet(s)		Sheet	0	0	0	
Drainage Plans Technical Subtotal						20	
6b.13	Quality Assurance/Quality Control		LS	%	0%	0	
6b.14	Supervision		LS	%	0%	0	
6. Drainage Plans Total						20	

Project Activity 7: Utilities

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	0	0	NA
7.2	Identify Existing Utility Agency Owners (UAO(s))	LS	1	6	6	
7.3	Make Utility Contacts	LS	1	0	0	By PBC
7.4	Exception Processing	LS	1	0	0	
7.5	Preliminary Utility Meeting	LS	1	0	0	NA
7.6	Individual/Field Meetings	LS	1	21	21	Design ticket shows 7 UAOs
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	8	8	
7.8	Subordination of Easements Coordination	LS	1	0	0	
7.9	Utility Design Meeting	LS	1	0	0	NA
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	0	0	
7.11	Utility Coordination/Followup	LS	1	16	16	
7.12	Utility Constructability Review	LS	1	8	8	
7.13	Additional Utility Services	LS	1	0	0	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	
7.16	Certification/Close-Out	LS	1	0	0	
7.17	Other Utilities	LS	1	0	0	
7. Utilities Total					59	

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits, Compliances and Clearances					
8.1	Preliminary Project Research	LS	1	16	16	Assume no permits required; research and coordination effort only
	Permits					
Environmental Permits, Compliance, and Clearances/Reevaluations Technical Subtotal					16	
8.17	Technical Meetings	LS	1	4	4	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	0%	0	
8.19	Supervision	LS	%	0%	0	
Environmental Permits, Compliance and Clearances Nontechnical Subtotal					4	
8.20	Coordination	LS	%	0%	0	
8. Environmental Permits, Compliance and Clearances Total					20	

Project Activity 19: Signing and Pavement Marking Analysis

Task No.		Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	0	0	FOR INFORMATIONAL PURPOSES ONLY (30 hrs)
19.3	Reference and Master Design File	LS	1	20	20	
19.4	Multi-Post Sign Support Calculations	EA	1	0	0	
19.5	Sign Panel Design Analysis	EA	1	0	0	
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	
19.7	Quantities	LS	1	0	0	
19.8	Cost Estimate	LS	1	0	0	
19.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
Signing and Pavement Marking Analysis Technical Subtotal					20 ✓	
19.11	Field Reviews	LS	1	4	4	
19.12	Technical Meetings	LS	1	0	0	Meetings are listed below
19.13	Quality Assurance/Quality Control	LS	%	0%	0	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	0%	0	
Signing and Pavement Marking Analysis Nontechnical Subtotal					4	
19.16	Coordination	LS	%	0%	0	
19. Signing and Pavement Marking Analysis Total					24 ✓	

20. Signing & Marking Plans

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	1	6	1	6	
20.2	Summary of Pay Items Including TRNS•Port Input		LS	1	0		0	
20.3	Tabulation of Quantities		Sheet	1	8	1	8	
20.4	General Notes/Pay Item Notes		Sheet	1	8	1	8	
20.5	Project Layout		Sheet	0	0	0	0	
20.6	Plan Sheet		Sheet	4	4	2	16	
20.7	Typical Details		EA	0	0		0	
20.8	Guide Sign Worksheet(s)		EA	0	0		0	
20.9	Traffic Monitoring Site		EA	0	0		0	
20.10	Cross Sections		EA	0	0		0	
20.11	Special Service Point Details		EA	0	0		0	
20.12	Special Details		LS	0	0		0	
20.13	Interim Standards		LS	1	0		0	
Signing and Pavement Marking Plans Technical Subtotal						5	38	✓
20.14	Quality Assurance/Quality Control		LS	%	0%		0	
20.15	Supervision		LS	%	0%		0	
20. Signing and Pavement Marking Plans Total						5	38	✓

Project Activity 18: Structures-Signalization

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Mast Arms						
18.9	Mast Arms	EA Design	4	4		16	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
18. Structures - Miscellaneous Total					1	20	

21. Signalization Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	0	0	0	
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	0	0	
21.5	Reference and Master Signalization Design File	PI	1	23	23	Replace pedestrian signal head; replace detection loops; assume no impacts to existing strain pole assembly
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	0	0	0	
21.8	Pole Elevation Analysis	LS	1	2	2	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities	LS	1	4	4	
21.11	Cost Estimate	LS	1	0	0	included in roadway
21.12	Technical Special Provisions and Modified Special Provisions	LS	1	8	8	Signalization Specs
21.13	Other Signalization Analysis	LS	1	0	0	
Signalization Analysis Technical Subtotal					37	

21. Signalization Analysis

21.14	Field Reviews	LS	1	8	8	2 people at 4 hrs each
21.15	Technical Meetings	LS	1	4	4	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	0%	0	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	0%	0	
Signalization Analysis Nontechnical Subtotal					12 ✓	
21.19	Coordination	LS	%	0%	0	
21. Signalization Analysis Total					49 ✓	

22. Signalization Plans

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	6	1	6	
22.2	Summary of Pay Items Including Designer Interface (TRNS+Port) Input		Sheet	0	0	0	0	
22.3	Tabulation of Quantities		Sheet	1	8	1	8	
22.4	General Notes/Pay Item Notes		Sheet	1	8	1	8	
22.5	Plan Sheet		Sheet	1	6	1	6	
22.6	Interconnect Plans		Sheet	0	0	0	0	
22.7	Traffic Monitoring Site		EA	0	0		0	
22.8	Guide Sign Worksheet		EA	0	0		0	
22.9	Special Details		Sheet	0	0	0	0	
22.10	Special Service Point Details		EA	0	0		0	
22.11	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0	
22.12	Strain Pole Schedule		PI	0	0		0	
22.13	TCP Signal (Temporary)		EA	0	0		0	
22.14	Temporary Detection Sheet		PI	0	0		0	
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	
22.16	Interim Standards		LS	1	0		0	
Signalization Plans Technical Subtotal						4	28	
22.17	Quality Assurance/Quality Control		LS	%	0%		0	
22.18	Supervision		LS	%	0%		0	
22. Signalization Plans Total						4	28	



August 16, 2019

Mr. Luis Costa, P.E.
Bolton Perez & Associates, Inc.
7280 West Palmetto Park Road, Suite 302-N
Boca Raton, FL 33433

**Re: Military Trail and Old Boynton Road Intersection Improvements Roadway Design Survey
Palm Beach County Project No. 2019111**

Dear Luis:

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 and Palm Beach County Roadway Design Procedures dated January 2019, and all Palm Beach County requirements. All survey work done will result in a signed and sealed survey drawing in accordance with all applicable requirements, codes, rules and Statutes governing Surveying and Mapping.

I. HORIZONTAL PROJECT NETWORK CONTROL

Using the information supplied by Palm Beach County, we will establish the Rights-of-Way for Military Trail and Old Boynton Road. A traverse will be run through the route and all 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 red 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.

1860 Old Okeechobee Road • Suite 509 • West Palm Beach, Florida 33409
(561) 615-3988 • Fax (561) 615-3991

M:\PROPOSALS-BY COMPANY\Bolton Perez & Associates\Military Trail and Old Boynton Road\Military Tr and Old Boynton Rd Intersection Improvements Roadway Design Survey.doc

Costa
August 16, 2019
Page 2

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 approximately 1,500' route. These baseline points will be used in the topographic and cross section phase to locate features and facilitate checks. The historical baseline/centerline control will be located and tied to the existing baseline if it differs from the historical one.

V. HORIZONTAL CONTROL POINTS

The historic baseline of survey (if available) will be tied to a pair of PBCo. Horizontal Control Points at each end of the baseline. Stations and offsets and State Plane Coordinates and monumentation will be labeled at begin and end of historic baseline as well as PI's, PC's, PT's, PRC's and PCC's along the baseline not to exceed 1000 feet between control stations. All monumentation along the historic baseline will be referenced to the intervisible random project control monumentation. We propose to set three (3) horizontal control points.

VI. SECTION TIES AND PROPERTY TIES

We will tie in section corners and property corners along the route to check the present alignment of Military Trail and Old Boynton 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, striping, etc. These locations will show all features within the corridor from right of way to right of way extending to 25 feet outside the proposed right of way (if provided prior to start of the field work).

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 25 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.

Costa
August 16, 2019
Page 3

X. TREE LOCATIONS

We will locate all the trees (4" and larger measured at breast height) and shrubs/hedges within the right of way and extending to 25 feet outside the right of way on both the east and west sides of Military Trail. These will be shown on the CADD file with types and caliper sizes. Not a tree survey.

XI. OPTIONAL SERVICES: LEGAL DESCRIPTIONS AND SKETCHES

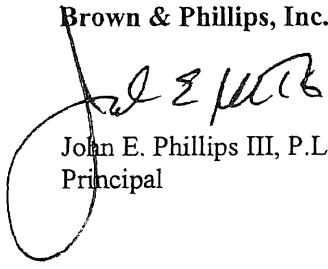
We will prepare legal descriptions and sketches as required. These sketches will be based on record ownership data and record plats provided by Palm Beach County, and will be consistent with the requirements of Palm Beach County and Florida Standards of Practice. We have estimated two (2) parcels for this project at \$500.00 each for a total of \$1,000.00.

XII. 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 Bolton Perez & Associates and Palm Beach County Survey Section with 1 set certified, signed & sealed, of the Survey, 1 set in PDF digitally signed and CAD files 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 \$13,441.70** (\$12,441.70 for the survey and \$1,000.00 for the optional legal descriptions and sketches); 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

TABLE 'A'

Military Trail and Old Boynton Road Intersection Improvements (PBCo. Project No. 2019111)

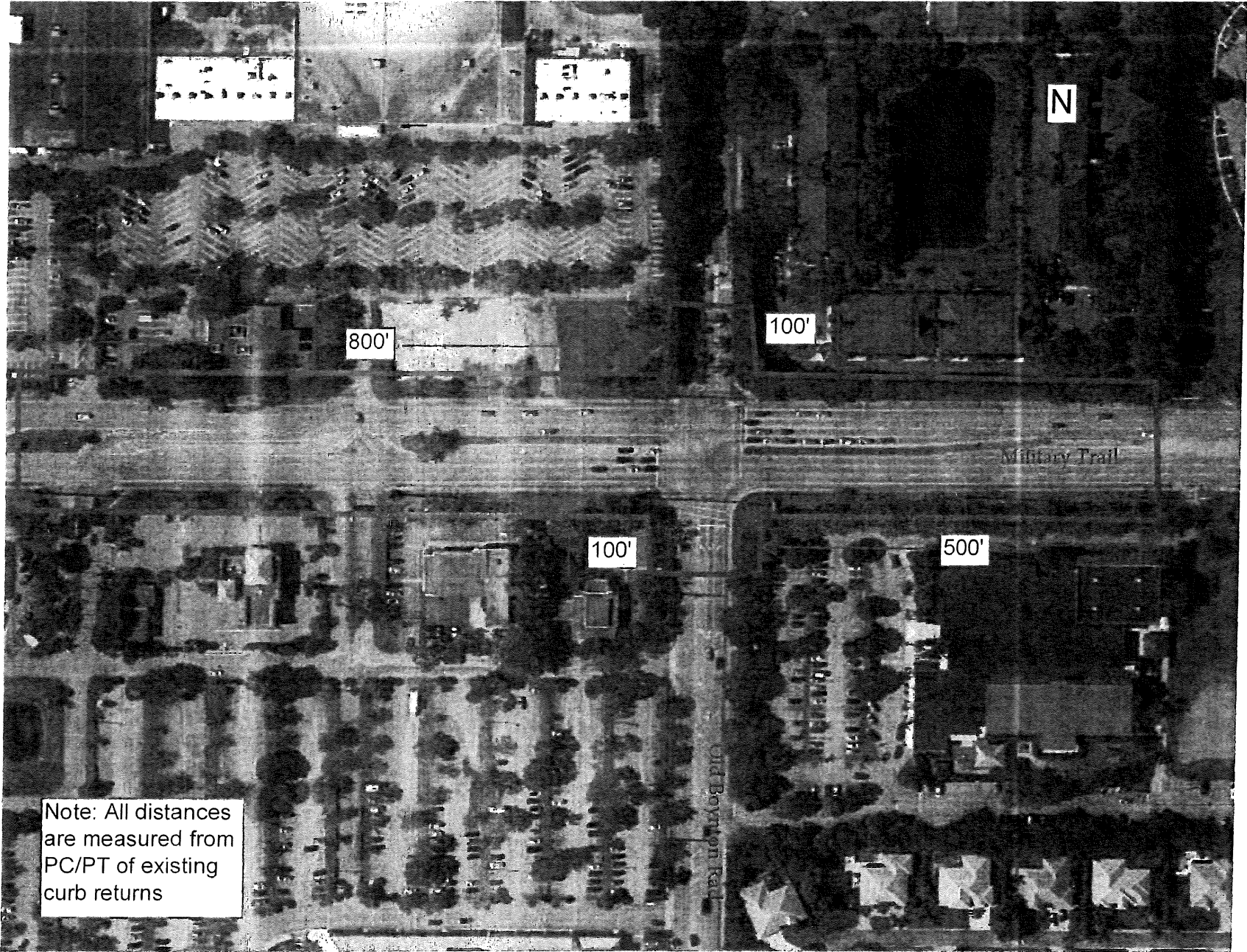
Type of Survey: Roadway Design

Size: 1500'±

Date: August 16, 2019

TASK	3 MAN CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Meetings and Coordination					
Horizontal Project Network Control	3				Establish control
Title Review			12	2	Review/compile furnished right-of-way
Vertical Project Network Control	5		1		Set benchmarks along corridor
Baseline Layout	1				Layout baseline at 100' intervals
Horizontal Control Points	3		1		Set horizontal control points and prepare PNC Sheet
Section Ties	2				Tie in PBCo. Horizontal control
Subdivision & Property Ties	5		2	1	Tie in adjoining property corners
Topography and Cross Sections	20		5	1	Locate all above ground features, 100' cross sections, TIN file
As-builts	2				Asbuilt storm structures
Tree Locations	2				Locate planted trees in R/W to 25' outside R/W (4" or greater)
Specific Purpose Survey		18	4	3	Prepare drawing of Specific Purpose Survey
Address Comments			5	2	
Total Hours:	43	18	30	9	
Rate/Hour	\$162.37 ✓	\$90.28 ✓	\$90.28 ✓	\$125.15 ✓	
Subtotal:	\$6,981.91 ✓	\$1,625.04 ✓	\$2,708.40 ✓	\$1,126.35 ✓	
Total Labor Cost:					\$12,441.70 ✓

Other Direct Costs:	quantity	unit	cost/unit	total	
Legal Description & Sketch	2	each	\$500.00	\$1,000.00	Optional Services
Prints		sheet	\$1.50	\$0.00	
Shipping		cost x markup	1.20	\$0.00	
Total Other Direct Costs:				\$1,000.00	✓
TOTAL PRICE				\$13,441.70	✓



October 02, 2019
[Revision – 1]

Bolton Perez & Associates, Inc.
7280 West Palmetto Park Road, Suite 302-
N Boca Raton, Florida 33433

Attention: Mr. Luis Costa, P.E.
Highway Department Manager

Re: Geotechnical Services - TWO # TBD
Intersection Improvement Services - Mast Arm Structures
Military Trail & Old Boynton Road Intersections
Palm Beach County, Florida
GCME Proposal No.: P77105-1701-001_C

Dear Mr. Costa:

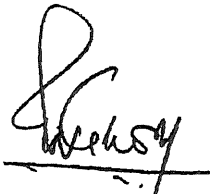
GCME, Inc. is pleased to submit this proposal for providing geotechnical services for the above referenced project. The following information are provided

- Lists the proposed scope of work as requested.
- The fee estimate.

We at GCME appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions, please contact our office.

Respectfully submitted,

GCME, INC.

A handwritten signature in black ink, appearing to read 'P. Ghosh', is written over a horizontal line.

Partha Ghosh, P.E.
Principal Engineer

PG:mg-
P77105-1701-001_10-02-19_Rev-1

Scope of Services

Intersection Improvement Services - Mast Arm Structures Military Trail & Old Boynton Road Intersections Palm Beach County, Florida

Based on the information received, Inc. the scope of work proposed is as follows:

A. MAST ARM STRUCTURES:

- Proposed eight (8) mast arms at intersection
 - Military Trail & Old Boynton Road
 - **Estimate one (1) SPT boring @ 25 feet deep at NE and NW corners / quadrants only.**
 - **Total two (2) @ 25 feet deep SPT Borings**
 - Lane Closure will be required at the SE and SW quadrants due to existing overhead powerlines and utilities, and so borings would have to be performed in the travel lanes. Hence, no borings are proposed at these corners / quadrants.

B. -ENGINEERING & TECHNICAL SERVICES:

- Geotechnical Engineering Analysis and Reporting related to the above scope of work.

GCME, Inc.
FEE ESTIMATE - Mast Arms
Intersection Improvement Services - Mast Arm Structures
Military Trail & Old Boynton Road Intersections, Palm Beach County, Florida
PBC Project No. TWO # TBD

No.	ITEM DESCRIPTION	Unit	# of Units	Unit Price	Total
I. Field Investigation					
1A	Truck Rig Mobilization	Each	1	\$ 350.00 ✓	350.00 ✓
1B	Track Rig Mobilization	Each	0	\$ -	-
2A	SPT- Truck/MB 0-50 Ft	Foot	50	\$ 16.00 ✓	800.00 ✓
2B	SPT- Truck/MB 50-100 Ft	Foot	0	\$ 18.00 ✓	-
3A	Rock Coring Truck/MB 0-50 Ft	Foot	0	\$ -	-
3B	Rock Coring Truck/MB 50-100 Ft	Foot	0	\$ -	-
4A	Grout Boreholes- Truck/MB 0-50 Ft	Foot	50	\$ 6.00 ✓	300.00 ✓
4B	Grout Boreholes- Truck/MB 50-100 Ft	Foot	0	\$ 6.00 ✓	-
5A	Temp Casing 3"- Truck/MB 0-50 Ft	Foot	50	\$ 7.50 ✓	375.00 ✓
5B	Temp Casing 3"- Truck/MB 50-100 Ft	Foot	0	\$ 8.50 ✓	-
6	Auger Borings- Hand & Truck/MB	Foot	0	\$ 12.00 ✓	-
7A	Field Permeability 0-10 Ft	Each	0	\$ 300.00 ✓	-
7B	Field Permeability 10-25 Ft	Each	0	\$ -	-
7C	Double Ring Infiltration test	Each	0	\$ 550.00 ✓	-
8	MOT - Traffic Control Set-up/Removal [1 man crew with safety equipments]	Day	1	\$ 1,200.00 ✓	1,200.00 ✓
9	Soil Probing - Muck/Unsuitable Soil Delineation	Hour	0	\$ 100.00 ✓	-
10A	Extra SPT Samples-Truck/MB 0-50 Ft	Each	0	\$ -	-
10B	Extra SPT Samples-Truck/MB50-100 Ft	Each	0	\$ -	-
11	Pavement Cores	Each	0	\$ 60.00 ✓	-
II. Laboratory Testing					
1	Lab Classification/Assignment by Staff Engineer	Hour	4	\$ 96.53 ✓	386.12 ✓
2	Natural Moisture	Each	4	\$ 12.00 ✓	48.00 ✓
3	Full Grad Grain Analysis	Each	4	\$ 65.00 ✓	260.00 ✓
4	Organic Content	Each	2	\$ 50.00 ✓	100.00 ✓
5	Atterberg Limit	Each	1	\$ 85.00 ✓	85.00 ✓
6	Corrosion Series	Each	0	\$ 150.00 ✓	-
7	LBR	Each	0	\$ 275.00 ✓	-
III. Field Engineering & Technical Services					
1	Site Recon./ Boring Layour / Utility Coordination / Etc. Engineering Technician	Hour	6	\$ 72.00 ✓	432.00 ✓

GCME, Inc.
FEE ESTIMATE - Mast Arms
Intersection Improvement Services - Mast Arm Structures
Military Trail & Old Boynton Road Intersections, Palm Beach County, Florida
PBC Project No. TWO # TBD

IV. ENGINEERING AND TECHNICAL SERVICES

Principal Engineer	Hour	2	\$	210.00	\$ ✓	420.00 ✓
Senior Geotechnical Engineer	Hour	2	\$	180.00	\$ ✓	360.00 ✓
Engineer, P.E.	Hour	10	\$	125.49	\$ ✓	1,254.90 ✓
Staff Engineer	Hour	10	\$	96.63	\$ ✓	966.30 ✓
Drafter /CADD	Hour	4	\$	72.00	\$ ✓	288.00 ✓
GCME Manhour =		28				

Field and Laboratory Services = \$4,336.12
Engg. and Tech. Services = \$3,289.20

Off-Duty Police Officer w/Car	Hour	8	\$	50.00	\$	400.00 ✓
Lane Closure [for 2 Corners for Powerlines]	Locations	0	\$	1,000.00	\$	0.00

ESTIMATED TOTAL COST - Mast Arm Structure = \$8,025.32 ✓

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Military Trail & Old Boynton Rd. Intersection Improvements
NAME OF PRIME RESPONDENT/BIDDER: Bolton Perez & Associates, Inc.
CONTACT PERSON: Luis Costa, PE
SOLICITATION OPENING/SUBMITTAL DATE: 12/13/2016

SOLICITATION/PROJECT/BID No.: Project 2019111
ADDRESS: 7280 W Palmetto Park Road, #302-N Boca Raton, FL 33433
PHONE NO.: 561-717-6496 E-MAIL: LCosta@bpaengineers.com
DEPARTMENT: Engineering & Public Works

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	SBE	Black	Hispanic	Women	Caucasian	Other (Please Specify)
		Minority/Women Business	Small Business					
1. Bolton Perez & Associates, Inc. 7280 West Palmetto Park Road, #302-N Boca Raton, FL 33433 561-717-6496	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		\$89,687.95			
2. Brown & Phillips, Inc. 1860 Old Okeechobee Road, #509 West Palm Beach, FL 33409 561-615-3988	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$13,441.70				
3. GCME, Inc. 1730 W. 10th Street Riviera Beach, FL 33404 561-845-8727	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					\$8,025.32
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
(Please use additional sheets if necessary)				Total	\$13,441.70	\$89,687.95		\$8,025.32
Total Bid Price \$ 111,154.97				Total SBE - M/WBE Participation		\$21,467.02		

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


Signature

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.

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: Project 2019111
SOLICITATION/PROJECT NAME: Military Trail & Old Boynton Rd. Intersection Improvements

Prime Contractor: Bolton Perez & Associates, Inc. Subcontractor: Bolton Perez & 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):

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 type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input checked="" 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
	Engineering Services (Staff Cost)				\$70,222.28
	Roadway Post Design Services				\$19,465.67

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: \$89,687.95

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: _____

Bolton Perez & Associates, Inc.

Print Name of Prime

By: _____

Authorized Signature

Joaquin Perez, PE

Print Name

President

Title

Date: 03/18/2020

Bolton Perez & Associates, Inc.

Print Name of Subcontractor/subconsultant

By: _____

Authorized Signature

Joaquin Perez, PE

Print Name

President

Title

Date: 03/18/2020

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: Project 2019111
SOLICITATION/PROJECT NAME: Military Trail & Old Boynton Rd. Intersection Improvements

Prime Contractor: Bolton Perez & 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): 01/31/2019-01/30/22

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
	Topographic Survey				\$12,441.70
	Sketch & Legal Descriptions				\$1,000.00

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: \$13,441.70

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.

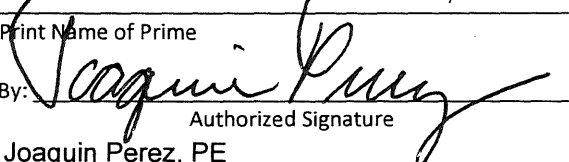
-

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: -

Bolton Perez & Associates, Inc.

Print Name of Prime

By:  Authorized Signature

Joaquin Perez, PE

Print Name

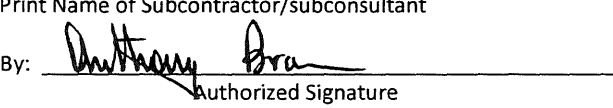
President

Title

Date: 03/18/2020

Brown & Phillips, Inc.

Print Name of Subcontractor/subconsultant

By:  Authorized Signature

Anthony Brown

Print Name

CEO

Title

Date: 03/18/2020

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: Project 201911
SOLICITATION/PROJECT NAME: Military Trail & Old Boynton Rd. Intersection Improvements

Prime Contractor: Bolton Perez & Associates, Inc. Subcontractor: GCME, Inc.

(Check box(s) that apply)
☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 11-07-2017

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 checked="" 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
	Geotechnical Services				\$8,025.32

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: \$8,025.32

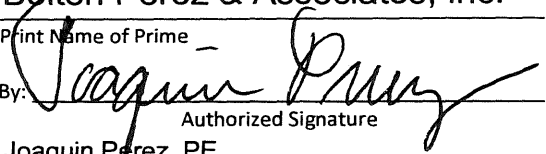
If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage:

Bolton Perez & Associates, Inc.

Print Name of Prime

By: 

Authorized Signature

Joaquin Perez, PE

Print Name

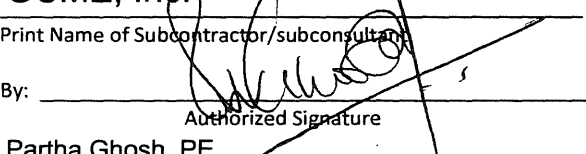
President

Title

Date: 03/18/2020

GCME, Inc.

Print Name of Subcontractor/subconsultant

By: 

Authorized Signature

Partha Ghosh, PE

Print Name

President

Title

Date: 03/18/2020

Search

Insured Name

Bolton Perez & Associates, Inc.

Q

Bolton Perez & Associates, Inc.

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Contract Screen

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View

Insured

Insured

Business Unit(s)

DBA Number

Print Insured Info

Account Information

Account Number:DX00000526

Risk Type:Standard - Professional Services

Do Not Call:Address Updated:

Address Information

Mailing AddressPhysical Address

Insured:Bolton Perez & 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:Safety Form II:No

Contact Information

Contact Name:Vivian PerezMisc:

Phone Number:3053923190Alt Phone Number:

Fax Number:

E-Mail Address:VMPerez@bpaengineers.com

Approval Date:

Rush:No

Contract on File:No

Certificate Received:No

Indemnification Agreement:No

Tax Id:

This Account created by 391 on 03/04/2020.

ps://www.ebixcerts.com/EBIXCOI/InsuredManager/ViewInsured.aspx

3/12/20