

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

Meeting Date:	November 2, 2021	<input checked="" type="checkbox"/>	Consent	<input type="checkbox"/>	Regular
		<input type="checkbox"/>	Workshop	<input type="checkbox"/>	Public Hearing
Department:	Engineering & Public Works Department				
Submitted By:	Engineering & Public Works Department				
Submitted For:	Roadway Production Division				

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: a Consultant Service Authorization (CSA) to the Annual Intersection Improvements Professional Services Contract (R2020-0542) dated June 2, 2020 (Contract) with Propel Engineering, Inc. (Propel) in the amount of \$159,679.02 for the Military Trail and Golf Road Intersection Improvements (Project).

**SUMMARY:** Approval of this CSA will authorize the professional services necessary for the Project to improve turn lanes. The Affirmative Procurement Initiatives selected for this Contract on May 1, 2019 by the Goal Setting Committee are a 20% minimum mandatory Small Business Enterprise (SBE) participation and a SBE evaluation preference. Propel agreed to 89% SBE participation for the Contract. They agreed to 95.90% SBE participation for this CSA. Their cumulative SBE participation to date for the Contract including this CSA is 93.27%. Propel is a Palm Beach County (County) based company and a certified SBE company. **This Project is included in the Five-Year Road Program. Districts 4 & 5 (YBH)**

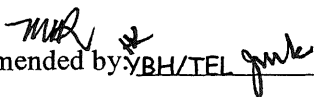
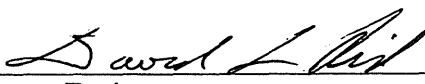
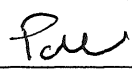
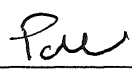
**Background and Justification:** On June 2, 2020, the Board of County Commissioners (BCC) approved the Contract with Propel to provide the professional services for intersection improvements throughout the County. The fee for this Project, as detailed in **Exhibit B** of the attached CSA, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum)	\$113,525.16	(Roadway and Drainage Analysis and Plans, Utility Coordination, Permitting, Signing and Pavement Marking Analysis and Plans)
Reimbursable Services (Not to Exceed)	\$26,907.30	(Permit Fees, Surveying and Geotechnical Services)
Optional Services (Not to Exceed)	<u>\$19,246.56</u>	(Post Design and SUE Services)
Total:	\$159,679.02	

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

**Attachments:**

1. Location Map
2. CSA with Exhibits A, B, C, D & Ebix Insurance Compliance (2)

Recommended by: 		10/8/2021
YBH/TEL	County Engineer	Date
Approved By: 		10/19/21
	Assistant County Administrator	Date

## II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	<u>\$223,551</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>\$223,551</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget?

Yes ☒ No

Does this item include the use of federal funds?

Yes No ☒

Budget Account No:

Fund 3504 Dept 361 Unit 1980 Object 6505

Recommended Sources of Funds/Summary of Fiscal Impact:

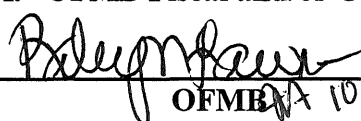
Road Impact Fee Fund - Zone 4

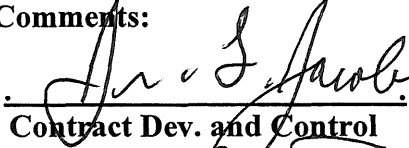
New Task Authorization	
Basic Services	\$ 113,525.16
Reimbursables	\$ 26,907.30
Optional Services	\$ 19,246.56
Total Task Authorization	<u>\$ 159,679.02</u>
Staff Charges	
Roadway Production	\$ 31,935.80
Right of Way	\$ 7,983.95
Survey	\$ 7,983.95
Traffic	<u>\$ 15,967.90</u>
Fiscal Impact	<u>\$ 223,550.62</u>

C. Departmental Fiscal Review:

## III. REVIEW COMMENTS

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

 10/13/21  
OFMB 10-18-21 10/13

 10/18/21  
Contract Dev. and Control 10-18-21

B. Approved as to Form  
and Legal Sufficiency:

 10/19/21  
Assistant County Attorney

C. Other Department Review:

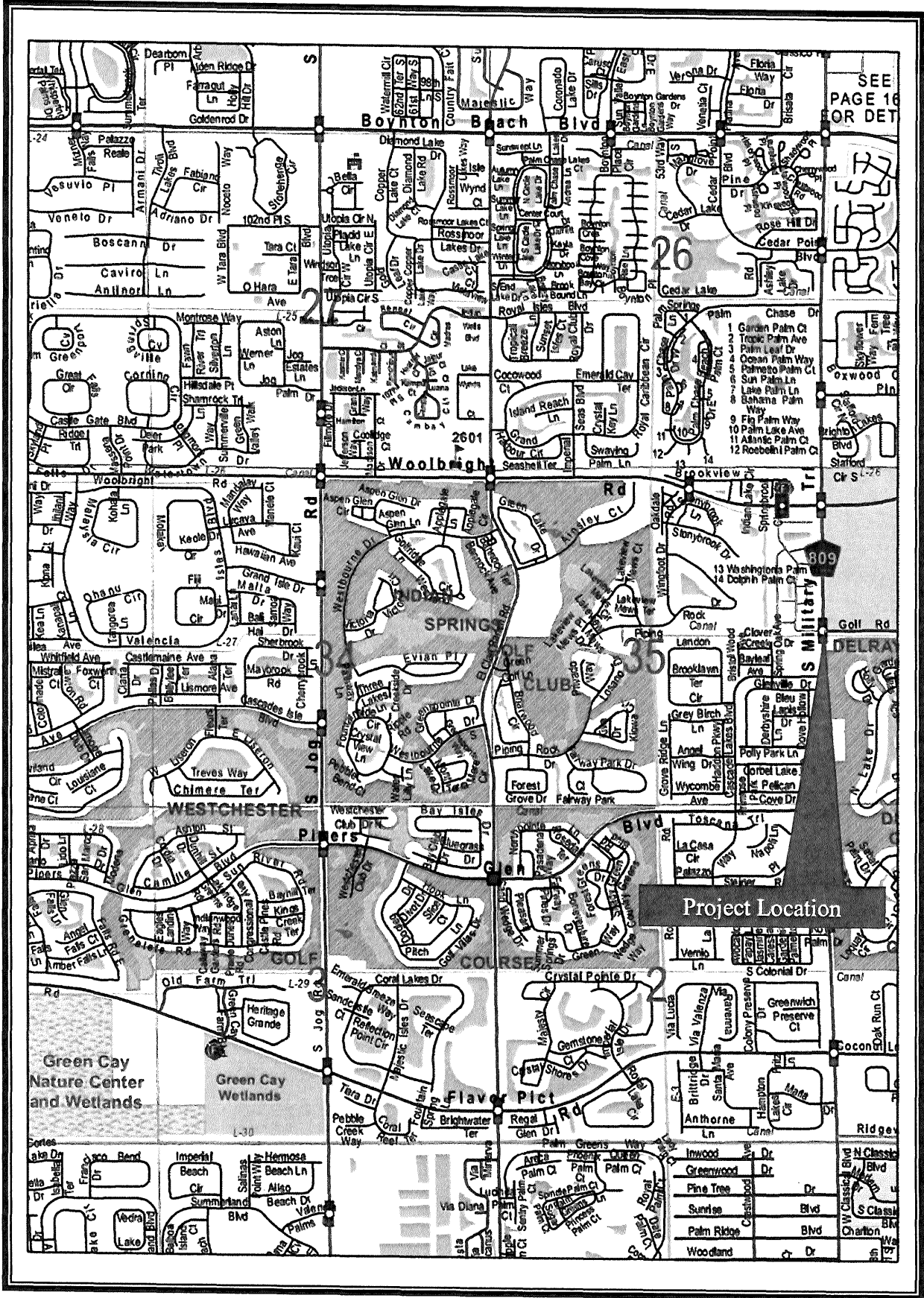
\_\_\_\_\_  
Department Director

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

PROJECT LOCATION

Military Trail and Golf Road Intersection Improvements

Palm Beach County Project #2021103



LOCATION MAP

**CONSULTANT SERVICE AUTHORIZATION TO THE  
ANNUAL INTERSECTION IMPROVEMENTS PROFESSIONAL SERVICES  
CONTRACT  
BY AND BETWEEN PALM BEACH COUNTY  
AND PROPEL ENGINEERING, INC FOR  
MILITARY TRAIL AND GOLF ROAD INTERSECTION IMPROVEMENTS  
PROJECT # 2021103**

This Consultant Service Authorization to the Annual Intersection Improvements Professional Services Contract (R2020-0542), dated June 2, 2020 (ANNUAL CONTRACT), is made and entered into on \_\_\_\_\_, by and between Palm Beach County, a political subdivision of the State of Florida, by and through its Board of County Commissioners (COUNTY) and Propel Engineering, Inc. a Florida for profit corporation (CONSULTANT) whose Federal ID is 46-3316950 (individually Party and collectively Parties).

**WITNESSETH**

WHEREAS, the COUNTY and CONSULTANT entered into the ANNUAL CONTRACT on June 2, 2020 (R2020-0542); and

WHEREAS, the COUNTY intends to improve the turn lanes for the **Military Trail and Golf Road Intersection Improvements**, Project No. **2021103** (PROJECT); and

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

WHEREAS, the CONSULTANT agrees to prepare the design plans and construction bid documents, including related documents as 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 \$113,525.16  
Reimbursable Expenses capped at \$26,907.30  
Optional Services capped at \$19,246.56  
Totaling **\$159,679.02**

*Project # 2021103*

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 Consultant Service Authorization.

**Exhibit A** - Scope of Work including Work Schedule

**Exhibit B** - Fee Schedule

**Exhibit C** – OEBO Schedules 1 and 2

**Exhibit D** – Consultant Service Authorization History

The COUNTY agrees to pay the CONSULTANT a fee of One Hundred Fifty-nine Thousand Six Hundred Seventy-nine Dollars and Two Cents (\$159,679.02) for this Consultant Service Authorization,

Except as hereby amended, changed or modified, all other provisions of the ANNUAL CONTRACT, shall remain in full force and effect.


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Project # 2021103

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

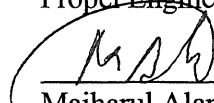
**OWNER:**

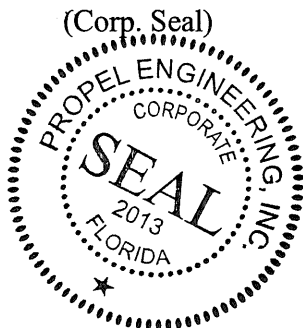
APPROVED AS TO TERMS  
AND CONDITIONS

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

**CONSULTANT:**

Propel Engineering, Inc.

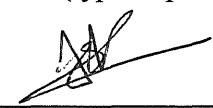
  
Majharul Alam, P.E., President



**ATTEST WITNESS:**

  
Signature

Ericka Moran  
Name (type or print)

  
Signature

Ishak Ahmed  
Name (type or print)

Project # 2021103

{SIGNATURE PAGES CONTINUED}

**ATTEST:**

Joseph Abruzzo  
Clerk of the Circuit Court & Comptroller

**COUNTY:**

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

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Dave Kerner, Mayor

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

(Seal)

By: /s/ Yelizaveta B. Herman  
Yelizaveta B. Herman  
Assistant County Attorney



O.K. / M.K.  
2024

**PROPEL**  
ENGINEERING

# Military Trl & Golf Rd. Intersection Improvements

Palm Beach County Project No. 2021103



SCOPE AND FEES

05/19/2021

Page 1 of 33

Revised: 06/24/2021, 07/06/2021, 07/21/2021





## SCOPE OF SERVICES

Date: May 19, 2021 (Revised 06/24/2021, 07/06/2021, 07/21/2021)

### **Military Trl & Golf Rd. Intersection Improvements Palm Beach County Project #2021103**

#### **PROJECT LIMITS**

Propel Engineering, Inc. (PROPEL) will provide engineering and surveying services required in connection with the proposed improvements to the Golf Road & Military Trail intersection. The limits of the project will be as follow:

- Military Trail from the PC of the south leg of the return to approximately five hundred and fifty feet (550') north of the PC of the north leg of the return. The improvements along Military Trail are limited to the southbound roadway only.
- Golf Road from the PC of the west leg of the return to approximately twelve hundred feet (1200') east of the PC of the east leg of the return.

#### **PROJECT DESCRIPTION**

Services will include preparation of a complete roadway construction plans and improvement to curb and gutter, curb ramps, and signing and pavement marking.

The scope consists of the following improvements:

1. Extension of approximately one hundred and sixty feet (160') of the southbound to eastbound left turn lane along Military Trail. The total turn lane length will be approximately five hundred and twenty feet (520').
2. Addition of a dedicated westbound to northbound right turn lane along Golf Road. The length of the turn lane will be approximately five hundred feet (500').
3. Extension of westbound to southbound left turn lane along Golf Road. The total turn lane length will be approximately five hundred feet (500').
4. Mill and resurface the existing Golf Road within the project limits.
5. Mill and resurface the existing southbound lanes of Military Trail within the project limits.

Plans will be prepared in accordance with the following standards:

- Palm Beach County Thoroughfare Roadway Design Procedures (January 2019)
- Palm Beach County Thoroughfare Roads Typical Sections (April 2018)
- Palm Beach County Traffic Signal Installation Standards and Details (2019)
- Palm Beach County Typical for Pavement Markings, Signing & Geometrics (No. T-P-21)
- FDOT Design Manual (2020 FDM)
- AASHTO "Geometrics Design of Highway and Streets" (2009)
- Florida Greenbook (2016 Edition)
- FDOT Drainage Manual (2018)
- MUTCD, 2009 WITH REVISION 1&2 (May 2012)



## BASIC SERVICES

### 1 **Plans Preparation**

Roadway plans with aerial background will be prepared in accordance with the approved Typical Section and the approved Master Plan.

Construction plans will be prepared on a 11" x 17" sheet and at a 1" = 40' scale for the horizontal and a 1" = 4' for the vertical. Separate plan and profile sheets will be prepared. The following plan sheets are anticipated:

- 1- Cover Sheet
- 2- General Notes
- 3- Typical Sections
- 4- Typical Section/Miscellaneous Details
- 5- Summary of Pay Item
- 6- Roadway Plans
- 7- Roadway Profiles
- 8- Cross Sections
- 9- Project Network Control Sheets

The following plan submittals will be included: Master Plan, 35%, 65%, 96%, 100% and Final Plan. Plan submittal will include PDF, one hard copy and all electronic files.

### 2 **Permitting**

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

- South Florida Water Management District (SFWMD) – drainage permit

### 3 **Utilities Coordination**

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

- 1- Provide Plans to Palm Beach County for Utility Coordination.
- 2- Attend two utility coordination meetings, prepare meeting minutes, and follow up on action items.
- 3- Plot utility information on plans for inclusion in the construction plan package.
- 4- Prepare utility conflict matrix and coordinate with utility owners through Palm Beach County.

### 4 **Pavement Marking and Signing Plans**

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

- 1- Cover Sheet
- 2- General Notes
- 3- Summary of Quantity Sheets
- 4- Plan Sheets
- 5- One Signing and Pavement Marking Detail



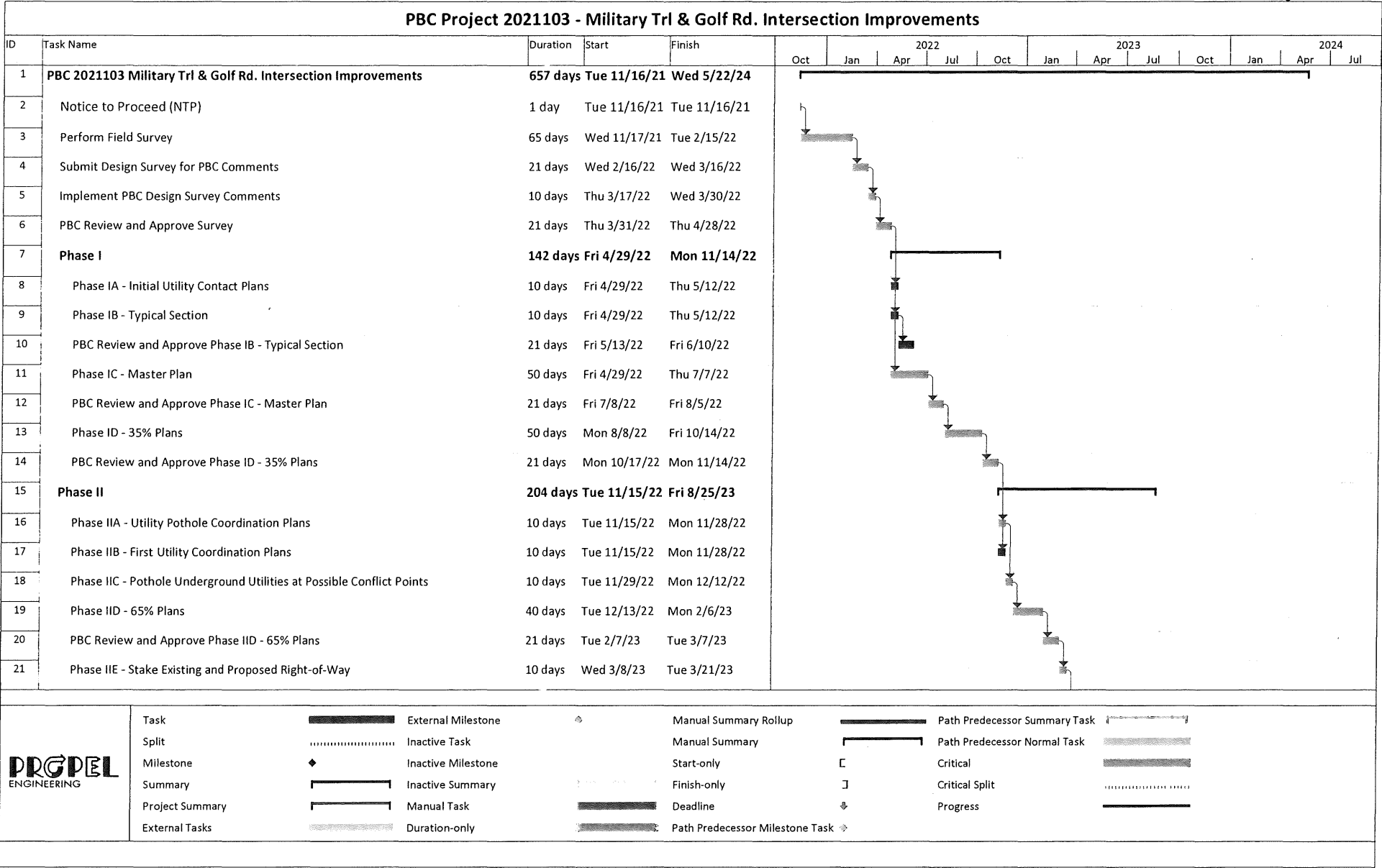
- 5      **Meetings**  
The following meetings are anticipated throughout the design duration:
- 1- Two progress meetings with County for Project Manager.
  - 2- Two design meetings with County for Roadway Lead Engineer.
  - 3- One pre-application meeting with SFWMD for Project Manager.
  - 4- Two meetings for Utility Coordination for Project Manager.
  - 5- One meeting with Traffic Division for Project Manager.

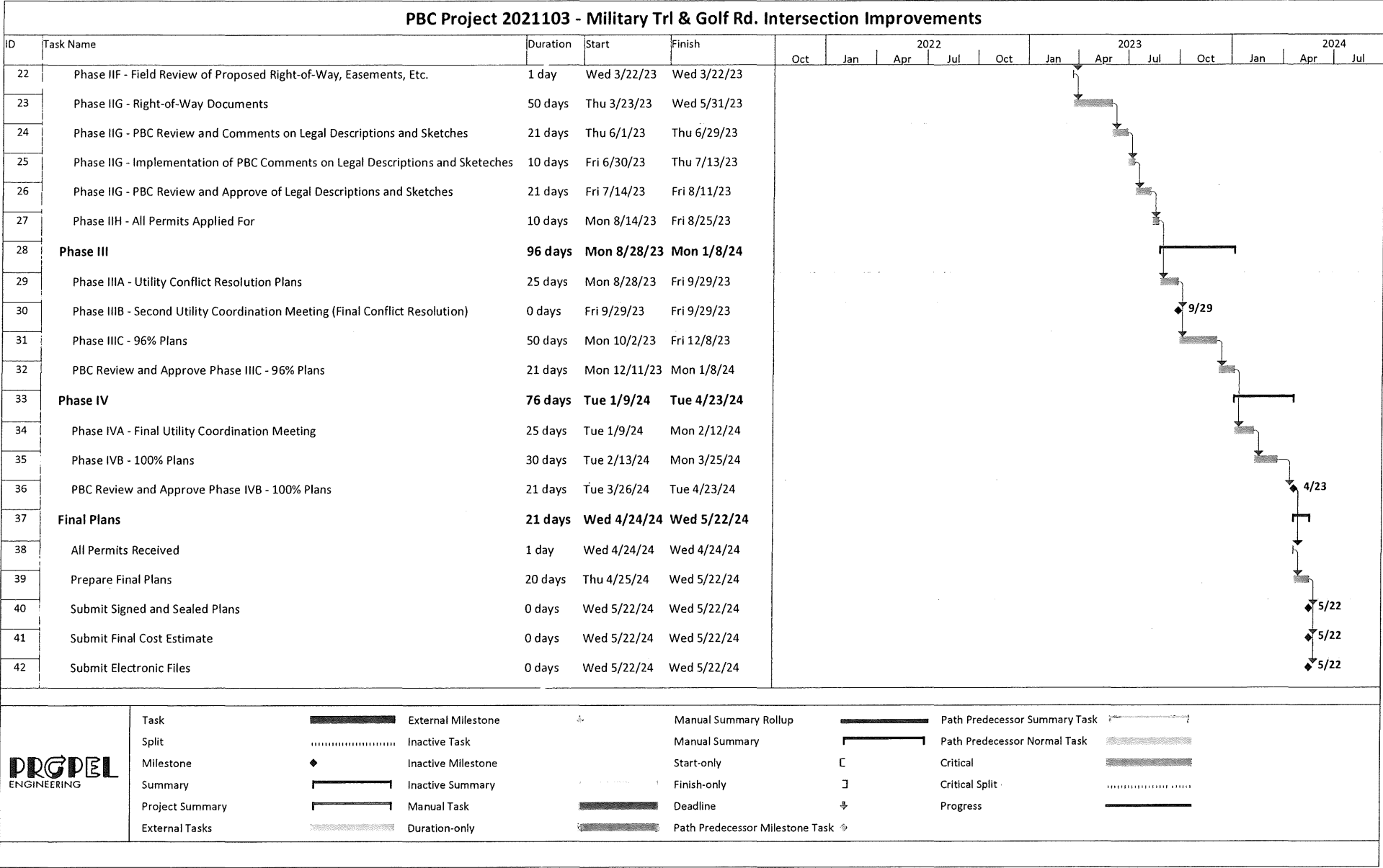
**Reimbursable Services**

- 1      **Survey Services**  
The survey services will be conducted by Brown & Philips, Inc. See attached scope of services from Brown & Philips, Inc.
- 2      **Geotechnical Services**  
The geotechnical services will be conducted by Tierra South Florida, Inc. PROPEL will coordinate the needed services for both the roadway borings and the Standard Penetration Test (SPT). Hydraulic conductivity tests will also be part of the services. See attached scope of services from Tierra South Florida, Inc.

**Optional Services**

- 1      **Subsurface Utility Engineering (SUE)**  
Obtain the location of potential utility conflicts with existing utilities in terms of X, Y, Z to assist in the utility conflict resolution. Assumed a total of 10 locations. PROPEL will coordinate the needed services with Brown & Philips, Inc.
- 2      **Post Design Services**  
PROPEL will provide post design services as needed during the construction phase.





ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project:  
County:  
PBC Project Number

Military Trl & Golf Rd. Intersection Improvements  
Palm Beach  
PBC#2021103

Consultant Name: Propel Engineering, Inc.  
Consultant No.: 1930010906  
Estimator: MA

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Senior Engineer	Project Engineer	Engineering Intern	CADD/Computer Technician	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$67.00 ✓	\$62.00 ✓	\$47.00 ✓	\$33.00 ✓	\$30.00 ✓			
3. General Tasks	24 ✓	10	4	4	4	2	24 ✓	\$1,298 ✓	\$54.08 ✓
4. Roadway Analysis	305 ✓	61	76	107	31	30	305 ✓	\$15,751 ✓	\$51.64 ✓
5. Roadway Plans	109 ✓	11	27	49	11	11	109 ✓	\$5,407 ✓	\$49.61 ✓
6a. Drainage Analysis	88 ✓	18	22	30	9	9	88 ✓	\$4,547 ✓	\$51.67 ✓
6b. Drainage Plans	24 ✓	2	7	11	2	2	24 ✓	\$1,211 ✓	\$50.46 ✓
7. Utilities	64 ✓	6	16	30	6	6	64 ✓	\$3,182 ✓	\$49.72 ✓
8. Environmental Permits	44 ✓	4	11	21	4	4	44 ✓	\$2,189 ✓	\$49.75 ✓
19. Signing and Pavement Marking Analysis	69 ✓	7	17	32	7	6	69 ✓	\$3,438 ✓	\$49.83 ✓
20. Signing and Pavement Marking Plans	32 ✓	3	8	15	3	3	32 ✓	\$1,591 ✓	\$49.72 ✓
Total Staff Hours	759 ✓	122 ✓	188 ✓	299 ✓	77 ✓	73 ✓	759 ✓		
Total Staff Cost		\$8,174.00 ✓	\$11,656.00 ✓	\$14,053.00 ✓	\$2,541.00 ✓	\$2,190.00 ✓		\$38,614.00 ✓	\$50.87 ✓

Raw Labor Cost = \$38,614.00 ✓

Approved Multiplier = 2.94 ✓

Total Staff Cost with Multiplier = \$113,525.16 ✓

Basic Services		
Prime (for Management, Roadway, Drainage, Utility, Permitting, and Signing & Pavement Marking):	Propel Engineering, Inc.	\$113,525.16 ✓
TOTAL BASIC SERVICES ESTIMATED FEES:		\$113,525.16 ✓

Reimbursables		
Prime (for Permit Fees):	Propel Engineering, Inc.	\$2,000.00 ✓
Subconsultant (for Surveying):	Brown & Phillips, Inc.	\$18,372.30 ✓
Subconsultant (for Geotechnical - Roadway and Drainage):	Tierra South Florida, Inc.	\$6,535.00 ✓
TOTAL REIMBURSABLES ESTIMATED FEES:		\$26,907.30 ✓

Optional Services		
Prime (for Post Design):	Propel Engineering, Inc.	\$12,148.08 ✓
Subconsultant: (SUE/Designates)	Brown & Phillips, Inc.	\$2,598.48 ✓
Subconsultant: (SUE/Potholes)	Brown & Phillips, Inc.	\$4,500.00 ✓
TOTAL OPTIONAL SERVICES ESTIMATED FEES:		\$19,246.56 ✓

\$159,679.02 ✓

Project Activity 3: General Tasks

Estimator: MA

Military Trl & Golf Rd. Intersection Improvements  
PBC#2021103

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1 Public Involvement Subtotal					0 ✓	
3.3	Specifications Package Preparation	LS	0	0	0 ✓	County will do the specification
3.4	3D Rendering Typical Sections for Public outreach	EA			0 ✓	Not needed for this project
3.6	Prime Consultant Project Manager Meetings	LS	1	24	24 ✓	See listing below
3.8	Post Design Services	LS	0	0	0 ✓	Please refer to Optional Services Hours
3.11	Railroad, Transit, and/or Airport, Agency Coordination	LS	0	0	0 ✓	
3. General Tasks Total					24 ✓	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	2	4	8 ✓	Two meetings with Palm Beach Roadway
Drainage	EA	1	0	0 ✓	
Utilities	EA	2	4	8 ✓	Utility meetings
Environmental	EA	0	0	0 ✓	
Traffic (S&PM and Signalization)	EA	1	0	0 ✓	
Field Reviews	EA	2	4	8 ✓	PM field Review
Total Project Manager Meetings		8 ✓		24 ✓	Total PM Meeting Hours carries to Task 3.6 above

Project Activity 4: Roadway Analysis

Estimator: MA

Military Trl & Golf Rd. Intersection Improvements

PBC#2021103

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	EA	2	8	16✓	2-Typicals: one for Military Trl and One for Golf Road 2*8 hrs = 16 hrs
4.5	Horizontal /Vertical Master Design Files	LS	1	169	169✓	0.38 mile of roadway design (700' along Military Tr & 1300 ft along Golf Rd) = 250 hrs x 0.38 + 20 hours for the Intersections = 115 Hrs Utility Conflict Info - 1.5 hrs (per utility per submittal) X 9 Utilities X 4 Submittal (35%,65%, 96%, and 100%) = 54 Hrs
4.9	Cross Section Design Files	LS	1	24	24✓	40 scale 100 ft interval for 0.38 miles
4.15	Design Report	LS	1	20	20✓	1 design report.
4.16	Quantities	LS	1	32	32✓	Develop quantites
4.17	Cost Estimate	LS	1	24	24✓	1initial @8hrs + 2 updates (65%, 96%, S&S)@ 6hrs each and 1 update at S&S @4 hrs =24 hrs
Roadway Analysis Technical Subtotal					285✓	
4.20	Field Reviews	LS	1	12	12✓	2 field reviews x 2 attendees x ( 3 hr rev)
4.22	Technical Meetings	LS	1	8	8✓	Meetings are listed below
Roadway Analysis Nontechnical Subtotal					20✓	
4. Roadway Analysis Total					305✓	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours		
Subtotal Technical Meetings						
Phase Review Meetings	EA	2	4	8✓		
Total Meetings				8✓		



**Project Activity 5: Roadway Plans**

Estimator: MA

Military Trl &amp; Golf Rd. Intersection Improvements

PBC#2021103

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	4	4 ✓	One Roadway Keysheet
5.2	Summary of Pay Items Including Quantity Input		Sheet	1	8	8 ✓	Two sheets
5.3.1	Typical Sections		EA	2	6	12 ✓	one for Military Trl and One for Golf Road
5.3.2	Typical Section Details		EA	1	8	8 ✓	Overbuild
5.4	General Notes/Pay Item Notes		Sheet	1	4	4 ✓	One project specific general notes
5.5	Summary of Quantities Sheets (Combook)		Sheet	6	4	24 ✓	total 6 sheets estimated for Earthwork, SOD, miscellaneous pavement, mowing & litter removal, curb and gutter, sidewalk, and detectable warnings, turnouts -- summary boxes for all components
5.8	Profile Sheet	40	Sheet	3	4	12 ✓	40 Scale - 3 sheets along Golf
5.9	Plan Sheet	40	Sheet	5	4	20 ✓	40 Scale required 2 sheets along Military and 3 sheets along Golf
5.14	Intersection Layout Details		Sheet	0	0	0 ✓	
5.15	Special Details		EA	1	4	4 ✓	Estimated one special detail
5.18	Cross Sections		EA	16	0.5	8 ✓	at 100 ft spacing
5.22	Utility Adjustment Sheets		Sheet	0	0	0 ✓	
5.23	Project Network Control Sheet(s)		Sheet	1	1	1 ✓	Provided by survey
5.25	Utility Verification Sheet(s) (SUE Data)		Sheet	1	4	4 ✓	one sheet
<b>Roadway Plans Technical Subtotal</b>						<b>109 ✓</b>	
<b>5. Roadway Plans Total</b>						<b>109 ✓</b>	

Project Activity 6a: Drainage Analysis

Estimator: MA

Military Trl & Golf Rd. Intersection Improvements  
PBC#2021103

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	2	10	20✓	Two drainage maps (one at each Roadway)
6a.2	Base Clearance Calculations	Per Location	0	0	0✓	N/A
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0✓	N/A
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	2	8	16✓	estimate 2 cells along Golf Rd
6a.9	Design of Storm Drains	EA	4	3	12✓	3 along Militatry and one at Golf Rd
6a.10	Optional Culvert Material	EA	0	0	0✓	
6a.11	French Drain Systems	Per Cell	3	6	18✓	estimated 3 cells required French Drain
6a.13	Drainage Design Documentation Report	LS	1	20	20✓	
6a.16	Cost Estimate	LS	1	2	2✓	
Drainage Analysis Technical Subtotal					88✓	
6a. Drainage Analysis Total					88✓	

6b. Drainage Plans

Estimator: MA

Military Trl & Golf Rd. Intersection Improvements

PBC#2021103

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map		Sheet	2	8	16✓	Two drainage maps (one at each Roadway)
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0✓	
6b.3	Summary of Drainage Structures		Sheet	0	0	0✓	
6b.4	Optional Pipe/Culvert Material		Sheet	0	0	0✓	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	0	0	0✓	
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	1	8	8✓	
Drainage Plans Technical Subtotal						24✓	
6b. Drainage Plans Total						24✓	

Project Activity 7: Utilities

Estimator: MA

Military Trl & Golf Rd. Intersection Improvements  
PBC#2021103

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.2	Identify Existing Utility Agency Owners (UAO(s))	LS	1	6	6✓	Identified all existing UAOs
7.3	Make Utility Contacts	LS	1	0	0 ✓	PBC will do this task
7.6	Individual/Field Meetings	LS	1	9	9 ✓	(1.5) Pre-Mtg Prep + (0) Travel Time + (1) Meeting Duration + (2) Prep. of Minutes = 4.5 Hours X (2) Meetings = <b>9 Hours</b>
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	9	9 ✓	9 UAOs 1 hr each
7.9	Utility Design Meeting and potholes	LS	1	8	8 ✓	(1) Pre-Mtg Prep + (0) Travel Time + (2) Meeting Duration + (1) Preparation of Minutes + 2 hrs for follow up = <b>6 Hours</b> + 2hrs for pothole review
7.10	Review Utility Markups & Work Schedules, and draw them in the plans	LS	1	12	12 ✓	(1.33) hours X (9) utility documents = <b>12 Hours</b> Assist PBC Utility Coordinator
7.11	Utility Coordination/Followup	LS	1	8	8 ✓	
7.15	Contract Plans to UAO(s)	LS	1	4	4 ✓	Compile plans to PBC
7.16	Certification/Close-Out	LS	0	0	0 ✓	PBC will do this task
7.17	Other Utilities	LS	1	8	8 ✓	Utility Conflict Matrix for roadway, drainage
<b>7. Utilities Total</b>					<b>64 ✓</b>	

Project Activity 8: Environmental Permits

Estimator: MA

Military Trl & Golf Rd. Intersection Improvements

PBC#2021103

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits, Compliances and Clearances					
8.1	Preliminary Project Research	LS	1	8	8 ✓	Review existing permits
	Permits					
8.2	Field Work					
8.2.1	SFWMD Permit	LS	1	32	32 ✓	
8.2.2	Pre-Application Meeting with SFWMD	EA	1	4	4 ✓	
8.3	FDOT Permit	LS	1	0	0 ✓	
8.4	FDOT 4f Coordination	LS	1	0	0 ✓	
8. Environmental Permits					44 ✓	

**Project Activity 19: Signing and Pavement Marking Analysis**

Estimator: MA

Military Trl &amp; Golf Rd. Intersection Improvements

PBC#2021103

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	0	0 ✓	Review approved queue analysis for right turn a
19.2	No Passing Zone Study	LS	0	0	0 ✓	N/A
19.3	Reference and Master Design File	LS	1	50.2	50 ✓	30 hours for set up + 40 hrs per mile X 0.38 mile +1 signalized intersections at 5 hours
19.7	Quantities	LS	1	15	15 ✓	3 hours per sheet * 5 sheets = 15 hours
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>65 ✓</b>	
19.11	Field Reviews	LS	1	4	4 ✓	1 field reviews
19.12	Technical Meetings	LS	0	0	0 ✓	Meetings are listed below
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>4 ✓</b>	
19.16	Coordination	LS	%	0%	0 ✓	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>69 ✓</b>	

Project Activity 20: Signing and Pavement Marking Plans

Estimator: MA

Military Trl &amp; Golf Rd. Intersection Improvements

PBC#2021103

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	1	4	1	4 ✓	One keysheet
20.3	Tabulation of Quantities		Sheet	1	8	1	8 ✓	8 Hrs for 1st Tabulation sheet = 8 Hrs
20.4	General Notes/Pay Item Notes		Sheet	1	3	1	3 ✓	One general notes
20.6	Plan Sheet		Sheet	5	3	5	15 ✓	40 Scale - 2 sheets along Military and 3 sheets along Golf
20.7	Typical Details		EA	1	2		2 ✓	one estimated
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>8 ✓</b>	<b>32 ✓</b>	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>8 ✓</b>	<b>32 ✓</b>	

**Reimbursable Fees**  
**Propel Engineering, Inc.**



PERMIT APPLICATION FEE SCHEDULE  
(Effective 8/7/2016)

Environmental Resource Permits

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

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

New Individual Agriculture or Silviculture Permit

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

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

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

Individual Agriculture or Silviculture Permit Major Modification

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

Individual or Conceptual Permit Minor Modification (includes Mitigation Banks)

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

New Individual or Conceptual Permit for a Mitigation Bank

- Permit area < 100 acres.....\$ 7,500

## Optional Services Fees and Scope Propel Engineering



**SCOPE OF SERVICES**

**For  
Post Design**

**Military Trl & Golf Rd. Intersection Improvements  
Palm Beach County Project #2021103**

Propel Engineering, Inc. proposes to provide additional professional services required in connection with the Post Design Services for the above project. It shall be Propel's responsibility to utilize appropriate engineering judgment, practices, and principles during the prosecution of the work. These services are intended to provide construction support including engineering assistance, shop drawing reviews, responses to Requests for Information (RFI), site visits, and meetings, which will be required to satisfactorily complete construction.

## OPTIONAL SERVICES ESTIMATE OF FEES FOR POST DESIGN

Name of Project: Military Trl & Golf Rd. Intersection Improvements  
 County: Palm Beach  
 PBC Project Number: PBC#2021103

Consultant Name: Propel Engineering, Inc.  
 Consultant No.: 1930010906

Staff Classification	Total Staff Hours	Project Manager	Senior Engineer	Project Engineer	Engineering Intern	CADD/Computer Technician	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$67.00 ✓	\$62.00 ✓	\$47.00 ✓	\$33.00 ✓	\$30.00 ✓			
Post Design Services for roadway, drainage, and signal	80 ✓	16	20	28	8	8	80 ✓	\$4,132 ✓	\$51.65 ✓
<b>Total Staff Hours</b>	80 ✓	16 ✓	20 ✓	28 ✓	8 ✓	8 ✓	80 ✓		
<b>Total Staff Cost</b>		\$1,072.00 ✓	\$1,240.00 ✓	\$1,316.00 ✓	\$264.00 ✓	\$240.00 ✓		\$4,132.00 ✓	\$51.65 ✓

Raw Labor Cost = \$4,132.00 ✓  
 Approved Multiplier = 2.94 ✓  
 Total Staff Cost with Multiplier = \$12,148.08 ✓

## Survey Scope and Fees

### Brown & Phillips, Inc.



May 13, 2021

Mr. Maj Alam, P.E.  
Propel Engineering, Inc.  
2711 Vista Parkway, Suite B-7  
West Palm Beach, FL 33411

**Re: Military Trl & Golf Rd. Intersection Improvements – Palm Beach County Project No. 2021103  
Specific Purpose / Topographic Survey**

Dear Maj:

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 Right-of-Way for Military Trail and Golf Road. 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 from the PCs of the intersection to 1200 feet east and 100 feet west (full R/W topography to canal) along Golf Road and 700 feet north and 200 feet south (west half of road only) along Military Trail (see map of limits included with this proposal).

#### **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. The existing right-of-way will be staked at 100-foot intervals in accordance with the Palm Beach County Design Standards, page 20, phase IIE.

#### **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

Page 23 of 33

M: PROPOSALS BY COMPANY Propel\Military Trail & Golf Road\Military Trail and Golf Road intersection improvements design survey.doc

Alam  
May 13, 2021  
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 route. These baseline points will be used in the topographic and cross section phase to locate features and facilitate checks.

**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.

**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 Golf 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.

**X. TREE LOCATIONS**

We will locate all the native trees (4" and larger measured at breast height) and shrubs/hedges within the existing right of way. These will be shown on the CADD file with types and caliper sizes. Not a tree survey.

Alam  
May 13, 2021  
Page 2

**OPTIONAL SERVICES:**

**XI. UNDERGROUND UTILITIES**

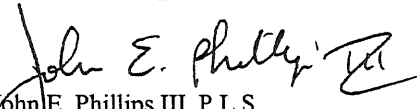
We will designate the underground utilities in the four quadrants of the intersection near the proposed mast arm locations. We will then locate the designates and add them to the survey. In addition, we will perform up to ten (10) test holes at \$450.00 each for a maximum total of \$4,500.00.

**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 Propel Engineering, Inc., 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, of the final survey once approved. We will perform the scope of services for a lump sum fee of ~~\$18,372.30~~ **for the survey plus \$7,098.48 for optional services (\$2,598.48 for the SUE designates and \$4,500.00 for ten test holes)**, see Table 'A' for an hourly breakdown. Any additional work will be done on an hourly basis as approved by you. 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

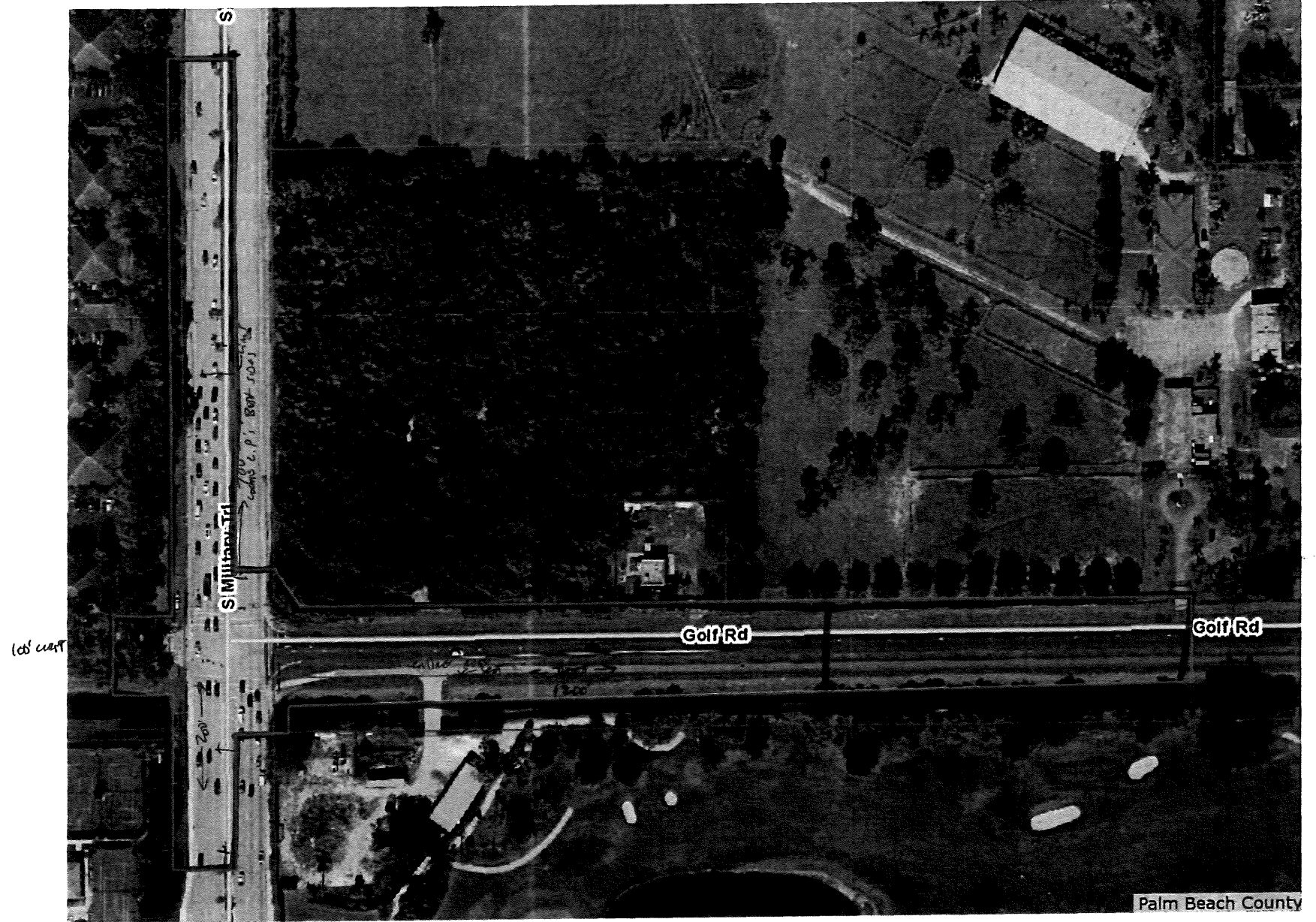


**Military Trl & Golf Rd. Intersection Improvements  
Palm Beach County Project No. 2021103**

**Date: May 13, 2021**

TASK - Optional Services SUE	SURVEY CREW	CADD TECH	SURVEY TECH	PLS	COMMENTS
Underground Utilities	10	4	4	2	Designate utilities and add utility designates to topographic survey
Total Hours:	10 ✓	4 ✓	4 ✓	2 ✓	
Rate/Hour	\$54.17 ✓	\$30.12 ✓	\$30.12 ✓	\$41.75 ✓	unloaded rates
Subtotal:	\$541.70 ✓	\$120.48 ✓	\$120.48 ✓	\$83.50 ✓	
Total Labor Cost (unloaded):					\$866.16
Multiplier:					3
Total cost for SUE (loaded)					\$2,598.48

**TOTAL PRICE** Page 26 of 33 **\$25,470.78** ✓



OPTIONAL SUB & PT HOLES FOR MAST ARM

**Geotechnical Scope and Fees**  
**Tierra South Florida, Inc.**



Revised June 24, 2021  
May 4, 2021

**Propel Engineering, Inc.**  
2711 Vista Parkway, Suite B-7  
West Palm beach, Florida 33411

Attn: Mr. Maj Alam, P.E., PMP

**Re: Proposal for Geotechnical Services**  
**Military Trl & Golf Rd. Intersection Improvements**  
**Palm Beach County, Florida**  
**Palm Beach County Project #2021103 TSF Proposal**  
**No.: 2105-307**

Dear Maj:

As requested, TSF is pleased to submit this proposal for the above-referenced project. The proposal is based on a scope meeting with Palm Beach County Roadway Production Division. This proposal includes an outline of our proposed scope of work, an estimate of the total fees, and our anticipated schedule for completion of the work.

#### **PROPOSED SCOPE OF WORK**

All work performed by TSF will be in general accordance with Palm Beach County standards. The proposed scope work is as follows:

1. We understand that the project limits will extend on S Military Trail and also on Golf Rd. TSF proposes two (2) auger borings in the median for S Military Trail, and three (3) auger borings for the north side of Golf Rd and two (2) auger borings for the south side of Golf Rd. We propose to drill the auger borings to 10 feet.
2. Perform one (1) percolation tests; and
3. Provide MOT as required to perform the field work. MOT will typically entail a 2-man crew with MOT equipment such as cones, barricades, portable signs, and support vehicle. Lane closures are expected at locations where there will be access or utility conflict issues. MOT, where required, will be performed per applicable FDOT standard index 102-600.

Boring locations will be approximately located in the field by our personnel by measuring distances with a tape from known reference points. Elevations at boring locations can be interpreted from topographic plans if furnished by others.

Prior to drilling at the project site, TSF will notify the local utility companies and request that underground utilities be marked. Our experience, however, is that the utility companies will not mark privately owned utilities. Our proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig.

Upon completion of the field exploration, laboratory testing will be performed on selected samples. The study will be summarized in accordance with the FDOT’s Soil and Foundation Handbook. A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, geotechnical recommendations, and a discussion of some construction considerations.

**ESTIMATED FEES**

It is proposed that the fee for the performance of the services outlined above be determined on a unit price basis in accordance with the attached Fee Schedule incorporated into this proposal. **Our fee is based on the assumption that boring locations are open and accessible to our truck-mounted drill rig.** Our estimate covers the work needed to present our findings and recommendations in a formal report. Not included are reviews of drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report.

<b>ROADWAY WIDENING</b>	
<b>I. FIELD INVESTIGATION</b>	<b>\$1,350.00✓</b>
<b>II. LABORATORY TESTING</b>	<b>\$890.00✓</b>
<b>III. FIELD ENGINEERING AND TECHNICAL SERVICES</b>	<b>\$640.00✓</b>
<b>IIIA. ENGINEERING AND TECHNICAL SERVICES</b>	<b>\$3,655.00✓</b>
<b>IV. TRAFFIC CONTROL -MOT</b>	<b>\$0.00✓</b>
	<b>\$6,535.00✓</b>

**SCHEDULE AND AUTHORIZATION**

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within several days of project approval (weather permitting and permit approval). The fieldwork will take about six days to complete. The written report can be submitted about three weeks after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report.

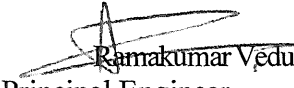
**Propel Engineering, Inc.**  
**TSF Proposal No. 2105-307**

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

Respectfully submitted,

***TIERRA SOUTH FLORIDA, INC.***

  
Harmon C. Bennett, P.E.  
Principal Engineer

  
Ramakumar Vedula, P.E.  
Principal Engineer

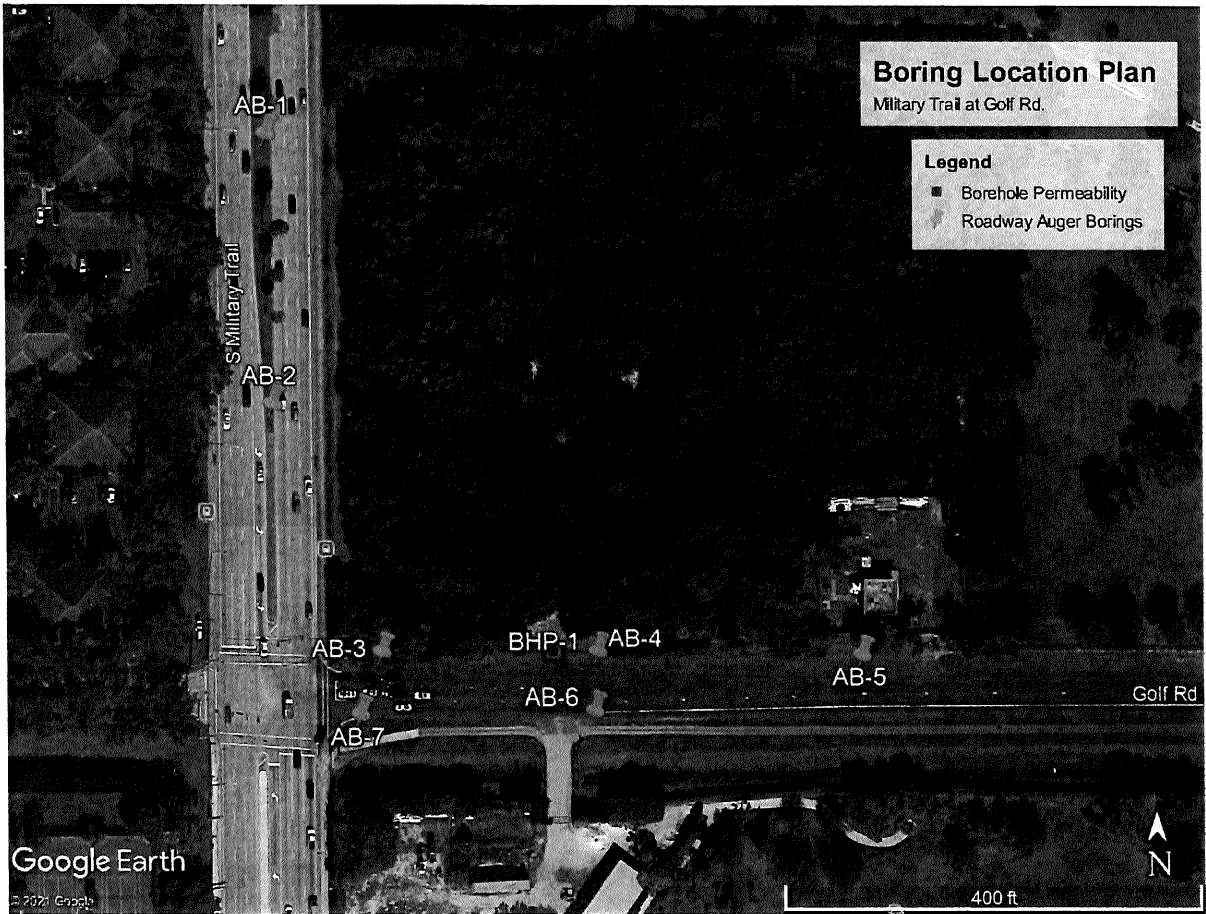
**Attachments:**

Fee Estimate – Roadway  
Boring Location Plan

Propel Engineering, Inc.  
TSF Proposal No. 2105-307

TIERRA SOUTH FLORIDA, INC.  
2105-307.S Military Trail at Golf Rd (Propel Engineering, Inc.)  
ROADWAY

	Unit	# of Units	Unit Price		Total
I.	FIELD INVESTIGATION				
Mobilization of Men and Equipment Truck (50-mile travel)	Trip	1	\$	350.00✓ \$	350.00 ✓
Roadway Auger Borings	L.F.	70	\$	10.00✓ \$	700.00 ✓
Percolation Test	Test	1	\$	300.00✓ \$	300.00 ✓
II.	LABORATORY TESTING				
Visual Examination by Staff Engineer	Hour	2	\$	110.00 ✓ \$	220.00 ✓
Natural Moisture Content Tests	Test	4	\$	20.00✓ \$	80.00 ✓
Grain-Size Analysis - Full Gradation	Test	4	\$	75.00✓ \$	300.00 ✓
Corrosion Test	Test	1	\$	190.00✓ \$	190.00✓
Organic Content Tests	Test	2	\$	50.00 ✓ \$	100.00 ✓
III.	FIELD ENGINEERING AND TECHNICAL SERVICES				
Site Recon./Utility Coordination/MOT Sr. Engineering Technician	Hour	8	\$	80.00✓ \$	640.00 ✓
IIIA.	ENGINEERING AND TECHNICAL SERVICES				
Principal Engineer	Hour	1	\$	185.00✓ \$	185.00 ✓
Senior Geotechnical Engineer	Hour	6	\$	175.00✓ \$	1,050.00 ✓
Project Engineer	Hour	14	\$	145.00✓ \$	2,030.00 ✓
Drafter/CADD	Hour	6	\$	65.00✓ \$	390.00 ✓
TOTAL FEE FOR GEOTECHNICAL SERVICES = \$					6,535.00 ✓





OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Military Trl & Golf Rd. Intersection Improvements  
NAME OF PRIME RESPONDENT/BIDDER: Propel Engineering, Inc.  
CONTACT PERSON: Majharul Alam, PE, PMP  
SOLICITATION OPENING/SUBMITTAL DATE: September 17, 2019

SOLICITATION/PROJECT/BID No.: 2021103  
ADDRESS: 2711 Vista Parkway, Suite B-7, West Palm Beach, FL 33411  
PHONE NO.: 561-866-5730 E-MAIL: maj@propel-engineering.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. Propel Engineering, Inc. 2711 Vista Parkway, Suite B-7, West Palm Beach, FL 33411 (561) 866-5730	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$127,673.24 ✓ (Asian)
2. Tierra South Florida, Inc. 2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411 (561) 687-8536	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	\$6,535.00 ✓ (Asian)
3. Brown & Phillips, Inc. 1860 Old Okeechobee Road, Suite 509 West Palm Beach, FL 33409 (561) 615-3988	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$25,470.78 ✓	_____	_____	_____	_____
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	\$25,470.78 ✓	_____	_____	\$134,208.24 ✓
Total Bid Price \$ 159,679.02 ✓				Total SBE - M/WBE Participation \$153,144.02 ✓				

I hereby certify that the above information is accurate to the best of my knowledge: Majharul Alam  
2021.07.21 09:16:45 -04'00'  
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.

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: 2021103  
SOLICITATION/PROJECT NAME: Military Trl & Golf Rd. Intersection Improvements

Prime Contractor: Propel Engineering, Inc. Subcontractor: Propel Engineering, Inc.

(Check box(s) that apply)  
☒SBE ☐WBE ☒MBE ☐M/WBE ☐Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 04/12/2020

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
1	3.02 General Highway Design				\$127,673.24✓

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: \$127,673.24 ✓

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 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

Price or Percentage:

Propel Engineering, Inc.

Print Name of Prime

Majharul Alam

By: 2021.07.21 09:20:44 -04'00'

Authorized Signature

Majharul Alam

Print Name

President

Title

Date: 07/21/2021

N/A

Print Name of Subcontractor/subconsultant

By: N/A

Authorized Signature

N/A

Print Name

N/A

Title

Date: N/A

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: 2021103  
SOLICITATION/PROJECT NAME: Military Trl & Golf Rd. Intersection Improvements

Prime Contractor: Propel Engineering, Inc. Subcontractor: Tierra South Florida, 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 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 Engineering				\$6,535.00✓

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: \$6,535.00 ✓

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 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant	Price or Percentage:
---	----------------------

Propel Engineering, Inc.

Print Name of Prime  
Majharul Alam  
By: 2021.07.21 09:47:41 -04'00'  
Authorized Signature  
Majharul Alam  
Print Name  
President  
Title  
Date: 7/21/2021

Tierra South Florida, Inc.

Print Name of Subcontractor/subconsultant  
Rajan Krishnasamy  
By: 2021.07.21 09:39:06 -04'00'  
Authorized Signature  
Raj Krishnasamy, PE  
Print Name  
President  
Title  
Date: 7/21/2021

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: 2021103  
SOLICITATION/PROJECT NAME: Military Trl & Golf Rd. Intersection Improvements

Prime Contractor: Propel Engineering, 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): 1/31/19-1/30/22

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"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Supplier

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	5.02 Engineering Surveying	\$25,470.78	1	N/A	\$25,470.78 ✓

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: \$25,470.78 ✓

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.

N/A	Price or Percentage: N/A
Name of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant	

Propel Engineering, Inc.

Print Name of Prime  
Majharul Alam  
By: 2021.07.21 09:18:03 -04'00'  
Authorized Signature  
Majharul Alam  
Print Name  
President  
Title  
Date: 07/21/2021

Brown & Phillips, Inc.

Print Name of Subcontractor/subconsultant  
John E Phillips  
By: Digitally signed by John E Phillips  
Date: 2021.07.20 17:10:00 -04'00'  
Authorized Signature  
John E. Phillips  
Print Name  
President  
Title  
Date: 07/20/2021

CONSULTANT SERVICE AUTHORIZATION

Name Project					
Project#					
Authorization	Supplement	Date Approved	Total Amount	SBE Amount	SBE %
BCC	Original Task	Pending	\$ 159,679.02	\$ 153,144.02	95.90%
Project Totals			\$ 159,679.02	\$ 153,144.02	95.90%

Q

Search

Insured Name

Propel Engineering Inc. (DX00000506)

Propel Engineering Inc. (DX00000506)

Active Records Only

Advance Search

Insured Tasks

Admin Tools

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Notes

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Deficiencies

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Queue a Call

Add

Help

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View

Insured

Insured

Name:	Propel Engineering Inc. 
Account Number:	DX00000506
Address:	
Status:	Currently in Compliance.

Insured

Business Unit(s)

DBA Number

Print Insured Info

Print Compliance Report

Account Information

Account Number:DX00000506

Risk Type:Standard - Professional Services

Do Not Call:Address Updated:

Address Information

Mailing AddressPhysical Address

Insured:Propel Engineering 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:R2020-0542-Intersection Improvements Annual ServicesSafety Form II:No

Contact Information

Contact Name:Maj AlamMisc:

Phone Number:5618665730Alt Phone Number:

Fax Number:

E-Mail Address:maj@propel-engineering.com

Approval Date:

Rush:No

Contract on File:No

Certificate Received:No

Indemnification Agreement:No

Tax Id:

This Account created by e59 on 02/19/2020.