Agenda Item #: 3-C-11

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS <u>AGENDA ITEM SUMMARY</u>

Meeting Date:	May 16, 2023	[X] []	Consent Workshop	[]	Regular Public Hearing
Department: Submitted By: Submitted For:	Engineering & P Engineering & P Roadway Produc	ublic Wo	rks Departmen		

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: a Consultant Service Authorization (CSA) to the Annual Intersection Improvements Services Contract (R2020-0542) dated June 2, 2020 (Contract) with Propel Engineering Inc. (PEI) in the amount of \$103,207.98 for the High Ridge Road and Hypoluxo Road Intersection Improvements (Project).

SUMMARY: Approval of this CSA will provide the professional services necessary to add a northbound to eastbound right turn lane, and upgrade the existing signal at the intersection. The Contract was presented to the Goal Setting Committee (GSC) on May 1, 2019. The GSC applied Affirmative Procurement Initiatives of a 20% minimum mandatory Small Business Enterprise (SBE) participation and an SBE evaluation preference. PEI agreed to 89% SBE participation for the Contract. They agreed to 90.15% SBE participation for this CSA. Prior to this meeting date, approximately \$1,049,245 has been encumbered under this Contract. PEI has an office located in Palm Beach County (County) and is a certified SBE company. This Project is included in the Five-Year Road Program. District 2 (YBH)

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

Basic Services (Lump Sum)	\$79,562.28	(Master Plan, Geometry, Roadway, Drainage, and Signal Analysis and Plans, Utility Coordination, Survey, Permitting, Signing and Pavement Marking, and Structures)
Reimbursable Services (Not to Exceed)	\$12,165.00	(Geotechnical Services)
Optional Services (Not to Exceed)	<u>\$11,480.70</u>	(Post Design, Structural Post
		Design)
Total:	\$103,207.98	

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:

 VBH/TEL

 County Engineer

 Approved By:

 Approved By:

 Assistant County Administrator

N:\ROADWAY\AGENDA ITEMS PENDING (& DRAFTS)\2023\05-16-23\3-C-11 2022101 High Ridge Rd and Hypoluxo\2022101 High Ridge Rd and Hypoluxo.docx

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2023	2024	2025	2026	2027
Capital Expenditures	\$ 143,208	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	-0-	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$ 143,208	-0-	-0-	-0-	-0-
# ADDITIONAL FTE					
POSITIONS (Cumulative)	-0-	-0-	-0-	-0-	-0-

Yes 🖌 No

Yes

_No /

Is Item Included in Current Budget? Does this item include the use of federal funds?

Budget Account No:

Fund 3504 Dept 361 Unit 1997 Object 6505

Recommended Sources of Funds/Summary of Fiscal Impact: Road Impact Fee Zone 4 Fund

High Ridge Rd & Hypoluxo Rd Intersection Improvements

Cons	ultant Service Authorization (CSA)		
•	Basic Services	\$	79,562.28
•	Reimbursable	\$	12,165.00
•	Optional Services	\$	11,480.70
Tota	1 Consultant Service Authorization (CSA) \$	103,207.98
Esti • •	mated Staff Costs Roadway Production Roadway Production: Right-of-Way Survey	\$ \$ \$ \$ \$	20,000.00 5,000.00 5,000.00 10,000.00

Fiscal Impact

\$

143,207.98

Control

123

C. Departmental Fiscal Review:

III. REVIEW COMMENTS

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

OFMB MD 4/19

B. Approved as to Form and Legal Sufficiency:

Adik int County

C. Other Department Review:

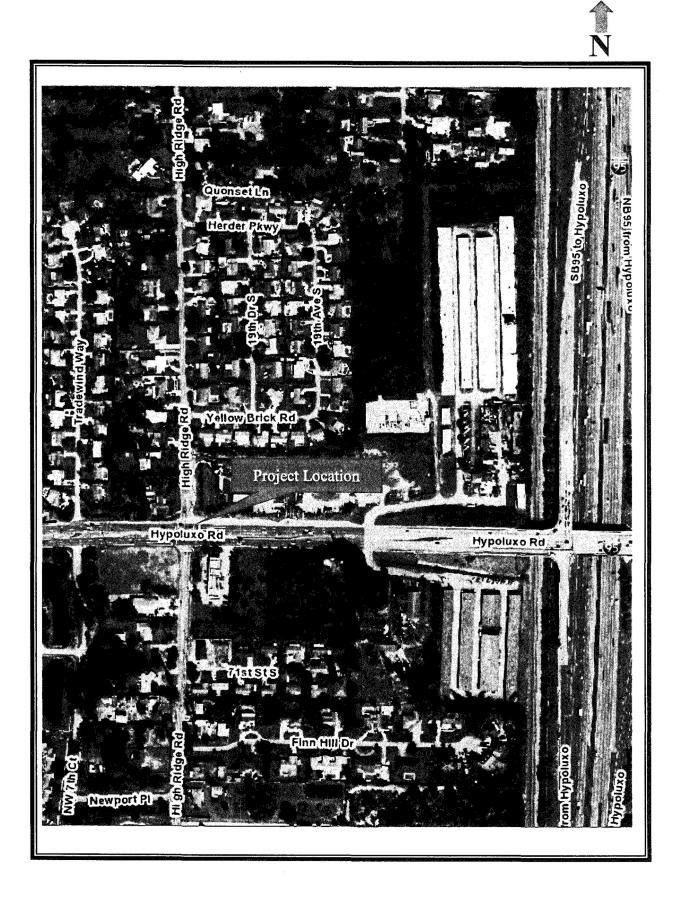
Department Director

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

PROJECT LOCATION

HIGH RIDGE ROAD AND HYPOLUXO ROAD INTERSECTION IMPROVEMENTS

Palm Beach County Project #2022101



LOCATION MAP

ATTACHMENT 1

CONSULTANT SERVICE AUTHORIZATION UNDER THE ANNUAL INTERSECTION IMPROVEMENTS SERVICES CONTRACT

Project Name: High Ridge Road and Hypoluxo Road Intersection Improvements Project No: <u>2022101</u> Commission District No.: 2

SBE Participation for this authorization is 90.15% SBE Participation to date for this Contract is 93.69% SBE Commitment is 89% This authorization is under the EBO Ordinance.

PALM BEACH COUNTY **BOARD OF COUNTY COMMISSIONERS**

Consultant Service Authorization (CSA) to the Annual Intersection Improvements Services Contract dated June 2, 2020, (R2020-0542) (CONTRACT), between the COUNTY and the CONSULTANT identified herein is for the services described in EXHIBIT A and EXHIBIT B for this CSA.

1. CONSULTANT: Propel Engineering, Inc.

2. Address: 2711 Vista Parkway, Suite B-7, West Palm Beach, FL 33411

- 3. CONSULTANT shall begin work promptly on the requested Services, per the schedule attached as part of EXHIBIT A.
- 4. Scope of Services to be provided by CONSULTANT: Provide professional engineering services to design the High Ridge Road and Hypoluxo Road Intersection Improvements project. Design additional turn lanes and signal upgrades in accordance with the attached EXHIBIT A dated March 16, 2023.
- 5. The compensation to be paid CONSULTANT for providing the requested services as detailed in EXHIBIT B shall be:

[x] Basic Services in a lump sum fee of	\$79,562.28
[x] Reimbursable Expenses capped at	\$12,165.00
[x] Optional Services capped at	<u>\$11,480.70</u>
Totaling	\$103,207.98

[x] OEBO Schedules 1 & 2 EXHIBIT C

[x] Project History EXHIBIT D

6. All terms of the CONTRACT shall apply to this CSA.

At-achment 2

Project #2022101

CSA

Page 1 of 3

Account No.: 3504-361-1997-6505

CONSULTANT SERVICE AUTHORIZATION UNDER THE ANNUAL INTERSECTION IMPROVEMENTS SERVICES CONTRACT

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

CONSULTANT: **Propel Engineering, Inc.** Federal ID: 46-331<u>69</u>50

Signed:

Typed Name: Majharul Alam

Title: President Date: 04/13/20025 CORPORATION 2013 ATTEST WITNESS: Signed: 30 Mar Person 1 Approved as to Terms and Conditions

R

Typed Name: <u>Morton L. Rose, P.E.</u> Title: Division Director

Signed: <u>Jahr Perscerel</u>

Typed Name: ZUNYA PErSOUC

Title: Administrative Assistant

Date: 4 17 2023

Page 2 of 3

Project #2022101

<u>CONSULTANT SERVICE AUTHORIZATION</u> <u>UNDER THE ANNUAL INTERSECTION IMPROVEMENTS SERVICES CONTRACT</u>

{SIGNATURE PAGES CONTINUED}

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

Signed:

Typed Name: Gregg K. Weiss

Title: Mayor

Date: _____

ATTEST: Joseph Abruzzo Clerk of the Circuit Court & Comptroller

By:___

Deputy Clerk

Approved as to Form and Legal Sufficiency By: ______ Typed Name: <u>Yelizaveta B. Herman</u>

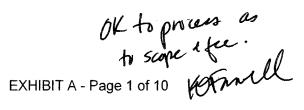
Title: Assistant County Attorney

NEROADWAY\CCNAANNUALS\INTERSECTION\Propel\2022\2022101 High Ridge and Hypohixo\2022101 CSA.docx

Page 3 of 3

Project #2022101







High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

Palm Beach County Project No. 2022101



SCOPE AND FEES 11/07/2022 Revised: 12/14/22 01/12/23 03/16/2023



SCOPE OF SERVICES

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements Palm Beach County Project #2022101

PROJECT LIMITS

Propel Engineering, Inc. will provide engineering and surveying services required in connection with the proposed improvements to the High Ridge Road & Hypoluxo Road intersection. The limits of the project will be as follow:

- High Ridge Road from approximately five hundred feet (500') south of Hypoluxo Road to the point of curve at the north leg of the intersection.
- Hypoluxo Road from the point of curve at the west leg of the intersection to the point of curve at the east leg of the intersection.

PROJECT DESCRIPTION

Services will include preparation of 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. Addition of a northbound to eastbound right turn lane along High Ridge Road. The length of the turn lane should be approximately two hundred eighty feet (280').
- 2. Replace the existing strain pole signal with a mast arm at the High Ridge Road and Hypoluxo Road intersection.
- 3. Mill and resurface the existing High Ridge Road and Hypoluxo Road within the project limits.

Plans will be prepared in accordance with the following standards:

- Palm Beach County Thoroughfare Roadway Design Procedures (February 2021)
- Palm Beach County Thoroughfare Roads Typical Sections (April 2018)
- Palm Beach County Traffic Signal Installation Standards and Details (2022)
- Palm Beach County Typical for Pavement Markings, Signing & Geometrics (No. T-P-21)
- FDOT Design Manual (2022 FDM)
- AASHTO "Geometrics Design of Highway and Streets" (2018)
- Florida Greenbook (2018 Edition)
- FDOT Drainage Manual (2022)
- MUTCD, 2009 WITH REVISION 1&2 (May 2012)

BASIC SERVICES 1 Plan

Plans Preparation

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

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 Notes3- Typical Section
- 3- Typical Sections4- Typical Section/Miscellaneous Details
- 5- Summary of Pay Items
- 6- Roadway Plans
- 7- Roadway Profiles
- 8- Cross Sections

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 <u>Permitting</u>

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

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

3 <u>Utilities Coordination</u>

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 Drainage Design

The design and preparation of drainage plans will be accomplished in substantial conformance with SFWMD. A drainage report will be prepared to document the design. Permit packages will be prepared by the Consultant with provisions for responses to Requests for Additional Information (RAI) from reviewing agencies. The drainage design will be based on the following:

- 1- Water quantity and quality will generally be provided using exfiltration trenches.
- 2- Conduct inlet spread analysis.
- 3- Provide a drainage report documenting the design for County and permitting agency use.
- 4- Prepare drainage structure sheets.
- 5- Prepare summary of drainage structures sheets.
- 6- Include drainage maps with an aerial background in the roadway plans.
- Prepare exfiltration trenches details, as necessary.

5 Pavement Marking and Signing Plans

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



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

Signalization Plans

6

Signal design will include four mast arms, one for each approach. Signalization Plans will be prepared to conform to the proposed roadway improvements in accordance with FDOT and 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 Guide Sign Work Sheet
- 6- Mast Arm Tabulation Sheet

7 <u>Structural Design Services</u>

FDOT Standard structural analysis will be performed for the installation of the four mast arms, one for each approach.

8 <u>Meetings</u>

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.

Reimbursable Services

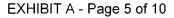
1 <u>Geotechnical Services</u>

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

Post Design Services PROPEL will provide post design services as needed during the construction phase.





SCOPE OF SERVICES For

Post Design

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements Palm Beach County Project #2022101

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. Propel will also provide as-built plans to PBC format for signalization plans.



November 7, 2022, Rev 1 1/3/23 Rev 2 1/9/23

Propel Engineering, Inc. 2711 Vista Parkway, Suite B-7 West Palm Beach, FL 33411 Phone Cell (561)866-5730 Attn: Mr. Maj Alam, PE, PMP email: <u>maj@propel-engineering.com</u>

RE: Proposal for Right Turn Lane and Mast Arm Hypoluxo Road and High Ridge Road Lake Worth, FL TSF Proposal No. 2211-639

Dear Maj:

Tierra South Florida, Inc (TSFGeo) is pleased to transmit our geotechnical services proposal for the above-referenced project. The project, as we understand it, will new mast arm and right turn lane improvements at the intersection of Hypoluxo Road and High Ridge Road in Lake Worth, Florida. TSF proposes field testing as noted in Table 1 below:

Table 1 – Proposed Field Testing								
Location Proposed Services								
Mast Arms	2 Borings to 30 feet							
Turn Lane	3 Borings to 10 feet							
Drainage	1 BHP test (Percolation Test)							

Samples will be classified with laboratory testing for verification. A Report will be prepared to provide engineering data for design.

MOT will be provided as required to perform the field work. MOT will typically entail 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. Test locations will be provided by Propel.

Please note that some damage could occur to the lawn/grass during field work. We will take all precautions to minimize damage. However, we assume that landscape damage, if any, will be repaired by others.

> 2765 Vista Parkway, Suite 10 • West Palm Beach, Florida 33411 561-687-8536 • <u>www.TSFGeo.com</u> State of Florida Professional Engineers License # 28073

Proposal for Intersection Improvement Hypoluxo and High Ridge Lake Worth, FL TSF Proposal No. 2211-639 R2 Page 2

Prior to drilling at the project site, TSFgeo 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, if any, will be located in the field by others prior to mobilization of the drill rig. TSFgeo will recommend a utility line locating service upon request.

Our fee is based on the assumption that boring locations are open and accessible to our truckmounted drill rig. Upon completion of the field-testing, a report will be issued which contains the exploration data, soil parameters for strain pole design and construction consideration.

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 (attachments). <u>Our fee is based on the assumption that boring locations are open and accessible to our truck-mounted drill rig.</u> The estimated fee for the project is \$ 10,165.00. Our estimated fees breakdown for the project is attached.

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 the submittal of our report.

Boring, sampling, and testing requirements are a function of the subsurface conditions encountered. Therefore, the estimated fee previously indicated is approximate, and compensation for the exploration will be based on the actual work and tests performed. We will endeavor to keep the exploration cost at a minimum consisting with good engineering practice.

SCHEDULE AND AUTHORIZATION

TSFGEO will proceed with the work immediately upon approval, and after utilities are cleared. With our present schedule, upon utility clearance, the fieldwork is expected to take about 2 to 3 days to complete. The written report can be submitted in about 3 weeks after completion of the field exploration. Verbal preliminary results can be made to appropriate parties prior to submittal of the written report. For our records, please sign and fax/email a copy of this proposal to our office.

EXHIBIT A - Page 8 of 10

Proposal for Intersection Improvement Hypoluxo and High Ridge Lake Worth, FL TSF Proposal No. 2211-639 R2 Page 3

We 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.

Please contact our office if you have any questions.

Respectfully submitted, TSFGeo, Inc.

RAN .

Raj Krishnasamy, P.E. Principal/Engineer/President

> Attachments Fee Estimate

Ramakumar Vedula, P.E. Principal Engineer

EXHIBIT A - PAGE 9 OF 10

)	Task Name			Duration	Start	Finish			
1	Project Duratio	on		555 days	5 Tue 5/16/23	Mon 6/30/25	Jan	Apr Jul Oct Jan Apr	Jul Oct Jan Apr Jul Oct Ja
2	Board of Cour	nty Commissioners Award		0 days	Tue 5/16/23	Tue 5/16/23		م 5/16	
3	Notice to Pro	oceed (NTP)		0 days	Tue 5/23/23	Tue 5/23/23		5/23	
4	Perform Field	Survey		56 days	Wed 5/24/23	Wed 8/9/23			
5	Submit Desigr	n Survey for PBC Comment	ts		Thu 8/10/23	Thu 9/7/23			
5	Implement PE	BC Design Survey Commen	ts	10 days	Fri 9/8/23	Thu 9/21/23			
7		nd Approve Survey			Fri 9/22/23	Fri 10/20/23			
8	Phase I	·····,			s Mon 10/23/2			:	
								·· ·	
9		nitial Utility Contact Plans			Mon 10/23/23			-	
10	Phase IC - N	Master Plan		50 days	Mon 10/23/23	Fri 12/29/23			
11	PBC Review	v and Approve Phase IC - N	Aaster Plan	21 days	Mon 1/1/24	Mon 1/29/24		7	
12	Phase ID - 3	35% Plans		50 days	Tue 1/30/24	Mon 4/8/24			
13	PBC Review	v Phase ID - 35% Plans		21 days	Tue 4/9/24	Tue 5/7/24			
14	PBC Approv	ve Phase ID - 35% Plans		20 days	Wed 5/8/24	Tue 6/4/24			
15	Phase II			96 days	Wed 6/5/24	Wed 10/16/24		1	·
16	Phase IIA -	Utility Pothole Coordinatio	on Plans	10 days	Wed 6/5/24	Tue 6/18/24		Ξ,	
17	Phase IIB -	First Utility Coordination P	Plans	10 days	Wed 6/5/24	Tue 6/18/24		Ť	
19	Phase IIC -	Pothole Underground Util	ities at Possible Conflict Points	10 days	Wed 6/19/24	Tue 7/2/24			,
19	Phase IID -	Ţ		45 days	Wed 7/3/24	Tue 9/3/24			
20		v and Approve Phase IID -	65% Plans	-	Wed 9/4/24	Wed 10/2/24			
21									10/2
21	Phase HE - :	Stake Existing and Propose	ea Right-or-way	0 days	wed 10/2/24	Wed 10/2/24			
		Task	External Milestone	¢.	Manua	al Summary Rollup	200500	Path Predecessor Summary	Task §
		Split	Inactive Task			al Summary	_	Path Predecessor Normal Ta	
DD	GPEL	Milestone	Inactive Milestone		Start-o	only	С	Critical	
	VEERING	Summary	Inactive Summary	+	Finish-	only	C	Critical Split	partition parality
		Project Summary	Manual Task		Deadli	ne	÷	Progress	
		External Tasks	Duration-only	1000	Path P	redecessor Milestone	Task 🔆		

EXHIBIT A - PAGE 10 OF 10

			Duration	Start	Finish	. 1	2023 2024 2025
2	Phase IIF -	Field Review of Proposed Right-of-Way, Easements, Etc.	0 days	Wed 10/2/24	Wed 10/2/24	Jan	Apr Jul Oct Jan Apr Jul Oct Jan Apr Jul Oct 10/2
3	Phase IIG -	Right-of-Way Documents	0 days	Wed 10/2/24	Wed 10/2/24		10/2
4	Phase IIG -	PBC Review and Comments on Legal Descriptions and Sketches	0 days	Wed 10/2/24	Wed 10/2/24		10/2
5		Implementation of PBC Comments on Legal Descriptions and Sketches	0 days	Wed 10/2/24			10/2
5		PBC Review and Approve of Legal Descriptions and Sketches	0 days		Wed 10/2/24		10/2
2		All Permits Applied For					
		An Permits Applied For	10 days	Thu 10/3/24	Wed 10/16/24		
8	Phase III		86 days	Thu 10/17/24	4 Thu 2/13/25		ц
•	Phase IIIA -	Utility Conflict Resolution Plans	25 days	Thu 10/17/24	Wed 11/20/24		
5	Phase IIIB -	Second Utility Coordination Meeting (Final Conflict Resolution)	0 days	Wed 11/20/24	Wed 11/20/24		▲ 11/20
L	Phase IIIC -	96% Plans	40 days	Thu 11/21/24	Wed 1/15/25		and the second sec
2	PBC Reviev	and Approve Phase IIIC - 96% Plans	21 days	Thu 1/16/25	Thu 2/13/25		
3	Phase IV		76 days	Fri 2/14/25	Fri 5/30/25		r1
•	Phase IVA -	Final Utility Coordination Meeting	25 days	Fri 2/14/25	Thu 3/20/25		
5	Phase IVB -	100% Plans	30 days	Fri 3/21/25	Thu 5/1/25		L
5	PBC Reviev	v and Approve Phase IVB - 100% Plans	21 days	Fri 5/2/25	Fri 5/30/25		\$/30
,	Final Plans		21 days	Mon 6/2/25	Mon 6/30/25	ĺ	
	All Permits	Received	1 day	Mon 6/2/25	Mon 6/2/25		5
	Prepare Fir	al Plans	20 days	Tue 6/3/25	Mon 6/30/25		
-		ned and Sealed Plans	0 days		Mon 6/30/25		6/30
	•	al Cost Estimate	0 days		Mon 6/30/25		6/30
2		tronic Files					◆ 6/30
	Submit cier		0 days	IVION 6/30/25	Mon 6/30/25		• 0/30
		Task External Milestone	\$	Manua	I Summary Rollup		Path Predecessor Summary Task 1 ?
		Split Inactive Task		Manua	l Summary		Path Predecessor Normal Task
P	GPEL	Milestone Milestone		Start-o	nly	С	Critical
GIN	EERING	Summary Inactive Summary		Finish-	only	З	Critical Split
		Project Summary Manual Task	1	Deadlin	ne	4	Progress

Name of Project: County: PBC Project Number	High Ridge R Palm Beach PBC#202210	21	ko Rd. Intersec	tion Improveme	ents C	onsultant Name: Consultant No.: Estimator:	Propel Engine 1930010909 MA	ering, Inc.	
Staff Classification	Hours From "SH Summary -	Project Manager	Senior Engineer	Project Engineer	Engineering Intern	CADD/Computer Technician	SH By	Salary Cost By	Average Rate Per
	Firm"	\$67.00	\$62.00	\$47.00	\$33.00	\$30.00	Activity	Activity	Task
4. Roadway Analysis	114	22	29	40	11	12	114	\$5,875	\$51.54
5. Roadway Plans	91	9	18	30	18	16	91	\$4,203	\$46.19
6a. Drainage Analysis	24	5	6	9	2	2	24	\$1,256	\$52.33
6b. Drainage Plans	22	2	4	6	5	5	22	\$979	\$44.50
7. Utilities	53	5	13	25	5	5	53	\$2,631	\$49.64
8. Environmental Permits	44	4	11	21	4	4	44	\$2,189	\$49.75
18. Structures - Miscellaneous	32	3	8	14	3	4	32	\$1,574	\$49.19
19. Signing & Pavement Marking Analysis	26	3	7	12	2	2	26	\$1,325	\$50.96
20. Signing & Pavement Marking Plans	22	2	6	8	3	3	22	\$1,071	\$48.68
21. Signalization Analysis	86	9	22	37	9	9	86	\$4,273	\$49.69
22. Signalization Plans	34	3	9	15	4	3	34	\$1,686	\$49.59
Total Staff Hours	548	67	133	217	66	65	548		
Total Staff Cost		\$4,489.00	\$8,246.00	\$10,199.00	\$2,178.00	\$1,950.00 -		\$27,062.00	\$49.38
							Raw Labor Co Approved Multip Total Staff Cost		\$27,062.00 \$2.94 \$79,562.28
	[Basic	Services		
			oadway, Draina ning & Paveme			<u></u>	Propel Engine	ering, Inc.	\$79,562.28
	TOTAL BASIC SERVICES ESTIMATED FEES:								\$79,562.28
	ſ					Reimt	oursables		
		Prime (for Pe	ermit Fees):				Propel Engine	ering, Inc.	\$2,000.00
			nt (for Geotech	nical):			Tierra South F		\$10,165.00
				TOTAL REIM	BURSABLES E	STIMATED FEES	;		\$12,165.00
	1					Optiona	al Services		
		Prime (for Po	ost Design):				Propel Engine	ering, Inc.	\$11,480.70
				TOTAL OPTIC	ONAL SERVICE	ES ESTIMATED F	EES:		\$11,480.70

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Project Activity 4: Roadway Analysis

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments		
4.1	Typical Section Package	EA	1	8	8	One typical section		
4.5	Horizontal /Vertical Master Design Files	LS	1	40	40	Right turn lane and the intersection Design		
4.9	Cross Section Design Files	LS	1	8	8	Cross sections at every 50 ft		
4.15	Design Report	LS	1	8	8	1 design report.		
4.16	Quantities	LS	1	8	8	Develop quantites		
4.17	Cost Estimate	LS	1	16	16	1initial at 65%@7hrs + 3 updates (96%, 100%, & Final@ 3hrs each =16 hrs		
	Roadway	Analysis Tec	hnical	Subtotal	88			
4.20	Field Reviews	LS	1	18	18	3 field reviews x 2 attendees x (3 hr rev)		
4.22	Technical Meetings	LS	1	8	8	Meetings are listed below		
	Roadway Ana	lysis Nontec	hnical	Subtotal	26			
		4. Roadway	/ Analy	sis Total	114			

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

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

Р	В	C#	20	22	1(01

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	θ	θ	One sheet
5.3.1	Typical Sections		EA	1	6	8	
5.3.2	Typical Section Details		EA	1	4	4	Sidewalk Connection detail
5.4	General Notes/Pay Item Notes		Sheet	1	4	8	One project specific general notes
5.5	Summary of Quantities Sheets (Combook)		Sheet	2	4	8	total 2 sheets estimated for Earthwork, SOD, miscellaneous pavement, curb and gutter, sidewalk, and detectable warnings, turnouts summary boxes for all components
5. 9	Profile Sheet	40 scale	Sheet	1	4	8	40 Scale required 1 sheets
5.9	Plan Sheet	40 scale	Sheet	2	8	16	40 Scale required 2 sheets
5.15	Special Details		EA	1	4	4	Estimated one special detail
5.18	Cross Sections		EA	10	2	20	at 50 ft spacing
5.22	Utility Adjustment Sheets		Sheet	0	0	0	no utility adjustment sheet
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
		F	Roadway P	lans Technic	cal Subtotal	91	
			5.	. Roadway F	Plans Total	91 /	

PBC2022101_High_Ridge_Hypoluxo_Rd_Staff_Hours_Estimates_2022_12_14 5. Roadway Plans-Prime

Project Activity 6a: Drainage Analysis

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

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Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	C	
6a.11	French Drain Systems	Per Cell	1	0	8	estimated 2 cell required French Drain
6a.13	Drainage Design Documentation Report	LS	1	16	16	
		24				
		24 /				

6b. Drainage Plans

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map		Sheet	1	8	1	
6b.5	Drainage Structure Sheet(s) (Per Structure)		EA	1	8	8	
6b.6	Miscellaneous Drainage Detail Sheets		Sheet	1	8	8	
	·	22					
		22 🦯					

PBC2022101_High_Ridge_Hypoluxo_Rd_Staff_Hours_Estimates_2022_12_14 6b. Drainage Plans

Project Activity 7: Utilities

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements PBC#2022101

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.2	Identify Existing Utility Agency Owners (UAO(s))	LS	1	2	2	Identified all existing UAOs
7.3	Make Utility Contacts	LS	1	0	C	PBC will do this task
7.6	Individual/Field Meetings	LS	1	8	8	(1) Pre-Mtg Prep + (0) Travel Time + (1) Meeting Duration + (2) Prep. of Minutes = 4 Hours X (2) Meetings = 8 Hours
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	θ	6	
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 = 6 Hours + 2hrs
/ 111	Review Utility Markups & Work Schedules, and draw them in the plans	LS	1	21	21	(3) hours X (7) utility documents = 21 Hours Assist PBC Utility Coordinator
7.11	Utility Coordination/Followup	LS	1	•	6	
7.15	Contract Plans to UAO(s)	LS	0	0	0	PBC will do this task
7.16	Certification/Close-Out	LS	0	0	0	PBC will do this task
	· · · · · · · · · · · · · · · · · · ·		7. Utili	ties Total	53 🗸	

Project Activity 8: Environmental Permits

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Permits, Compliances and Cleara Research	LS 4	1	4	1	Review existing permits
Research		1	4	1	Review existing permits
	4	1			
	4	1			
				1	
	LS	1	32	32	
eeting with SFWMD and LWDD	EA	2	4	8	
	LS	1	0	0	
lion	LS	1	0	0	
	eeting with SFWMD and LWDD tion ermits, Compliance, and Cleara	LS tion LS	LS 1 tion LS 1	LS 1 0 LS 1 0	LS 1 0 0

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Project Activity 18: Miscellaneous Structures

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Concrete Box Culvert				a daga sa ba		
	Mast Arms						
18.9	Mast Arms	EA Design	4				Four (4) new mast arms assemblies: (<u>NOTE</u> : No Special Foundations Anticipated.)
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	8	1	8	Four (4) new mast arms in one sheet = One (1) sheet
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	•	0	0	
		aneous Total	. 1	32	· · · · · · · · · · · · · · · · · · ·		

PBC2022101_High_Ridge_Hypoluxo_Rd_Staff_Hours_Estimates_2022_12_14 18. Structure-Misc-Prime

EXHIBIT B - Page 9 of 18

Project Activity 19: Signing and Pavement Marking Analysis

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.3	Reference and Master Design File	LS	1	20	20	
19.7	Quantities	LS	1	6	6	2 hours per sheet * 3 sheets = 6 hours
	Signing and Pavement Marking	26				
	19. Signing and Pave	26_				

PBC2022101_High_Ridge_Hypoluxo_Rd_Staff_Hours_Estimates_2022_12_14 19. S&M Analysis

Project Activity 20: Signing and Pavement Marking Plans

Estimator: MA

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	4	4		4	One keysheet
20.3	Tabulation of Quantities		Sheet	4	4		4	8 Hrs for lst Tabulation sheet = 8 Hrs
20.4	General Notes/Pay Item Notes		Sheet	4	4		4	One general notes
20.6	Plan Sheet		Sheet	4	4		4	3 plan sheets using 40 scale
20.7	Typical Details		EA	4	4		4	one estimated
	Signing and Pavement Marking Plans Technical Subtotal							
		5	22/					

Project Activity 21: Signalization Analysis

Estimator: JV

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.2	Traffic Data Analysis	PI	1	6	6	One intersection
21.5	Reference and Master Signalization Design File	PI	1	36	36	one new signal at Hypoluxo & High Ridge Rd with new equipment
21.6	Reference and Master Interconnect Communication Design File	LS	1	6	6	signal interconnect design and integrate the intersection into the signal coordination plan . PBC provide the mark up. Propel to draw them
21.7	Overhead Street Name Sign Design	EA	2	3	6	Two signs
21.8	Pole Elevation Analysis	LS	1	0	4	
21.9	Traffic Signal Operation Report	LS	0	0	4	N/A
21.10	Quantities	LS	1	θ	6	1 intersection
21.11	Cost Estimate	LS	1	0	4	
21.12	Technical Special Provisions	LS	1	0	4	If needed will be added as an SA
	Signalization	Analysis	Technic	al Subtotal	70	
21.14	Field Reviews	LS	1	12	12	three field reviews: 1 Initial Field Review, 1 at 65% and 1 at 100%, 2 people per review, 3X2X2=12 hrs
21.15	Technical Meetings	LS	1	4	4	Meetings are listed below
	Signalization An	alysis No	ontechnic	al Subtotal	16	
	21.	Signaliz	ation Ana	lysis Total	86 /	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	
Palm Beach Traffic Design and FPL	EA	2	2	4	
Power Company (service point coordination)	EA	0	0	0	
Subtotal Technical Meetings				4	
Total Meetings				4	

PBC2022101_High_Ridge_Hypoluxo_Rd_Staff_Hours_Estimates_2022_12_14 21. Signal Analysis

Estimator: JV

High Ridge Rd. & Hypoluxo Rd. Intersection Improvements

PBC#2022101

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	4	1	4	
22.3	Tabulation of Quantities		Sheet	1	θ	1	8	
22.4	General Notes/Pay Item Notes		Sheet	1	4	1	4	
22.5	Plan Sheet	1	Sheet	1	6	1	6	One intersection at Hypoluxo & High Ridge Rd
22.6	Interconnect Plans		Sheet	1	4	1	4	
22.7	Traffic Monitoring Site		EA	0	0	0	0	N/A
22.8	Guide Sign Worksheet	1	EA	· 2	2	1	4	N/A
22.9	Special Details		Sheet	0	0	0	0	N/A
22.10	Special Service Point Details	1	EA	0	0	0	0	N/A
22.11	Mast Arm/Monotube Tabulation Sheet		PI	1	4	0	4	
22.12	Strain Pole Schedule		PI	0	0	0	0	N/A
22.13	TCP Signal (Temporary)		EA	0	0	0	0	N/A
22.14	Temporary Detection Sheet		PI	0	0	0	0	N/A
22.15	Utility Conflict Sheet		Sheet	0	0	0	0	N/A
22.16	Interim Standards		LS	0	0	0	0	N/A
	Si	gnalizatio	on Plans 1	echnical	Subtotal	6	34	
		2	2. Signali	zation Pl	ans Total	6	34/	

EXHIBIT B - Page 13 of 18

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 \$	
Project area < 100 acres; < 10 acres wetlands or surface waters	
Project area < 640 acres; < 50 acres wetlands or surface waters \$	
 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\$ 	
 Project area < 40 acres; < 3 acres wetlands or surface waters; < 30 boat slips\$ 	
Project area < 100 acres; < 10 acres wetlands or surface waters; < 50 boat slips\$	
 Project area < 640 acres; < 50 acres wetlands or surface waters; < 50 boat slips\$ 	
 Project area > 640 acres; > 50 acres wetlands or surface waters; > 50 boat slips\$ 	
hadisidus 1.4 suisultuus on Cibricultuus Donneit Blainn Bladification	
Individual Agriculture or Silviculture Permit Major Modification	C 1 C
Project area < 10 acres; < 1 acre wetland or surface water	
Project area < 40 acres; < 3 acres wetlands or surface waters	
Project area < 100 acres; < 10 acres wetlands or surface waters\$	
Project area < 640 acres; < 50 acres wetlands or surface waters\$	
 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
	7,500

8/7/2016

Optional Services Fees Propel Engineering

OPTIONAL SERVICES ESTIMATE OF FEES FOR POST DESIGN

Name of Project:High Ridge Rd. & Hypoluxo Rd. Intersection ImprovementsConsultant Name:Propel Engineering, Inc.County:Palm BeachConsultant No.:1930010909PBC Project Number:PBC#2022101Consultant No.:1930010909

Staff Classification	Total Staff Hours	Project Manager	Senior Engineer	Project Engineer	Intern	CADD/Computer Technician	SH By		Average Rate Per
		\$67.00	\$62.00	\$47.00	\$33.00	\$30.00	Activity	Activity	Task
Post Design Services for roadway, drainage, signal, and structures	40	8	10	14	4	4	40	\$2,066	\$51.65
Signalization As-built Plans	16	2	2	6	2	3	16	\$729	\$45.56
Assist/Prepare Bid Package	16	2	2	2	2	3	16	\$729	\$45.56
Lighting (Photometric) Analysis	8		2	2	2	3	8	\$381	\$47.63
Total Staff Hours	80	13	16	28	12	3 11	80		·
Total Staff Cost		\$871.00	\$992.00	\$1,316.00 -	\$396.00	\$330.00		\$3,905.00	\$48.81

Raw Labor Cost = \$3,905.00

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\$2.94

Approved Multiplier =

Total Staff Cost with Multiplier = \$11,480.70

EXHIBIT B - Page 17 of 18

Geotechnical Fees Tierra South Florida, Inc. Proposal for Intersection Improvement Hypoluxo and High Ridge Lake Worth, FL TSF Proposal No. 2211-639 R2 Page 4

TIERRA SOUTH FLORIDA, INC.

I.	FIELD INVESTIGATION	Unit	# of Units		Unit Price	Total
	Mobilization of Men and Equipment Truck-Mounted Equipment	Trip	1	\$	450.00	\$ 450.00
	Suppport Vehicle	Trip	1	\$	150.00	\$ 150.00
	Standard Penetration Test Borings (By Truck-Mounted Equipment) 0 - 50 ft depth	L.F.	60	\$	13.00	\$ 780.00
	Grout-Seal Boreholes (By Truck-Mounted Equipment) 0 - 50 ft depth	L.F.	60	\$	6.00	\$ 360.00
	Casing Allowance (By Truck-Mounted Equipment) 0 - 50 ft depth	L.F.	60	\$	7.00	\$ 420.00
	Percolation Test	Each	1	\$	300.00	\$ 300.00
	MOT	Day	1	\$	1800.00	\$ 1,800.00
H.	LABORATORY TESTING					
	Visual Examination by Staff Engineer	Hour	2	\$	110.00	\$ 220.00
	Natural Moisture Content Tests	Test	3	\$	20.00	\$ 60.00
	Full Grain-Size Analysis - (8 sieves)	Test	3	\$	75.00	\$ 225.00
	Corrosion Series	Test	1	\$	190.00	\$ 190.00
111.	FIELD ENGINEERING AND TECHNICA	L SERVICES				
	Site Recon./Utility Coordination/Traffic Co	ntrol				
	Sr. Engineering Technician	Hour	8	\$	75.00	\$ 600.00
IIIA.	ENGINEERING AND TECHNICAL SER	VICES				
	Principal Engineer	Hour	2	\$	185.00	\$ 370.00
	Senior Geotechnical Engineer	Hour	8	\$	175.00	\$ 1,400.00
	Project Engineer, P.E.	Hour	16	\$	145.00	\$ 2,320.00
	CADD Technician	Hour	8	\$	65.00	\$ 520.00
	TSFGeo Geotechnical Services Schedule Estia					
	TaskDateTSF NTPTSF MobilizationTSF Field WorkTSF Laboratory TestingTSF Draft Report SubmittalTSF Draft Report Review PeriodTSF Update Draft ReportTSF Submit Final Report	ys GEOTECHNI 1 10 2 10 7 7 2 1 40	CAL SERVIC	ES		\$ 10,165.00

OEBO S	SCHEDULE 1	Exhibit C Page 1 of 3				
High Ridge Rd & Hypoluxo Rd. Intersection Improvements SOLICITATION/PROJECT/BID NAME:	SOLICITATION/PROJECT/BID NO.: 20221)1				
March 17, 2023 SOLICITATION OPENING/SUBMITTAL DATE:	COUNTY DEPARTMENT:Engineering & Public Works					
Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK T NAME OF PRIME RESPONDENT/BIDDER:		<u>SULTANT*</u> ON THE PROJECT: Suite B-7 West Palm Beach, FI 3341				
CONTACT PERSON:	PHONE NO.:E-MAIL	maj@propel-engineering.com				
\$93,042.98 PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: *SMWBE Prime's must include their percentage or dollar amount in the Total Participation line ur						

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

(Check all Applicable Categories) Subcontractor/Sub consultant Name <u>MBE WBE SBE</u>						DOLLAR AMOUNT OR PERCENTAGE OF WORK					
Subcontractory Sub consultant Name	Non-SBE	<u>MBE</u> Minority Business	<u>WBE</u> Women Business	<u>SBE</u> Small Business	Black	Hispanic	Women	Caucasian	Asian	Other	
Propel Engineering, Inc. 2711 N. Vista Parkway, Suita B-7 West Park Bach, FI 33411 (561)-868-5730			4 4 4 7 7 8 7 8	\checkmark					\$93,042.98		
Tierra South Florida, Inc. 2765 Vista Parkovar, Sulie 10 West Parkim Beach, Fl 33411 2. (561)-687-6536	\checkmark		1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (· · · · · ·		\$10,165.00		
5.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1										
5.	**************************************										
5.	1 1 			in 14 agent Alexan							
(Please use additional sheets if necessary)				Total					\$103,207.98		
Total Bid/Offer Price \$ <u>103,207.98</u>					Tota	al Certified S/M/A	NBE -Rarticipatior	, 93,042.9	8		
I hereby certify that the above information is accurate to the best of my knowledge: Majharul Alam, P.E., PMP								esident			
Name & Authorized Signature								T	ïtle		

1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.

2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.

3. Modification of this form is not permitted and will be rejected upon submittal.

Note:

Exhibit C Page 1 of 3

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: 2022101

SOLICITATION/PF	ROJECT NAM	_{IE:} High Ridge Rd. & Hyp	oluxo Rd. Interse	ction Improvements	
Prime Contractor	Propel	Engineering, Inc.	Subcontra	ctor:	
(Check box(s) that	at apply)	□M/WBE □Non-S/M/WBE	Date of Palm Beach	County Certification (if appl	04/12/2020-04/11/2023 icable):
The undersigned <u>Column 1</u>	affirms they	y are the following (select one f <u>Column 2</u>	rom each column if a r	oplicable):	<u>Column 3</u>
🗹 Male 🗖 Femal	e	African-American/Blac	k ⊠Asian American □Native American	Caucasian American	

<u>S/M/WBE PARTICIPATION</u> – <u>S/M/WBE</u> 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 <u>S/M/WBE</u> 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				\$93,042.98

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: \$93,042.98

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: ____

Propel Engineering, Inc.

Print Name of Prime Βv

Authorized Signature Majharul Alam. PE, PMP Print Name

President

Title

Date: 03/27/2023

N/A

By: ____

Print Name of Subcontractor/subconsultant

Authorized Signature

Print Name

Title

Date: _

Revised 09/17/2019

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: 2022101

SOLICITATION/PR	OJECT NAME: High Ridge Rd. & Hyp	oluxo Rd. Intersection Improvements						
Prime Contractor	Propel Engineering, Inc.	Subcontractor: Tierra South Florida, Inc.						
(Check box(s) that		Date of Palm Beach County Certification (if applicable):						
The undersigned	affirms they are the following (select one f	rom each column if applicable):						
Column 1	<u>Column 2</u>		<u>Column 3</u>					
🗹 Male 🗖 Femal	e 🗖 African-American/Blac	k ⊠Asian American □ Caucasian American □Native American	□Supplier					

<u>S/M/WBE PARTICIPATION</u> – <u>S/M/WBE Primes must document all work to be performed by their own work force on this form</u>. Failure to submit a properly executed Schedule 2 for any <u>S/M/WBE</u> 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	Geotechnical Engineering				\$10,165.00

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: \$10,165.00

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

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: ____

Propel Engineering, Inc.

Print Name of Prime By:

Authorized Signature

Majharul Alam, PE, PMP

Print Name President

Title

Date: 03/21/2023

Tierra South Florida, Inc.

Print Name of Subcontractor/subconsultant 1 Byg Authorize nature

Dominique J. Bennett

Print Name

Professional Services Manager

Title

Date: 03/21/2023

Revised 09/17/2019

High Ridge Road and Hypoluxo Road Intersection Improvements Project #2022101								
Authorization	Supplement	Date Approved	Total Amount	SBE Amount	SBE %			
BCC	Original CSA	Pending	\$ 103,207.98	\$ 93,042.98	90.15%			
		Project Totals	\$ 103,207.98	\$ 93,042.98	90.15%			

Print Date 1/26/2023 8:40:28 AM

Евух

Palm Beach County Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00000506	Propel Engineering Inc.		Compliant					R2020-0542	Intersection Improvements Annual Services
		A++g , XV	Travelers Indemnity Company of America	6608R11126A	1/27/2023	1/27/2024	General Liability		
		Ag, XV	Hudson Insurance Company	PRB0619113864	4/7/2022	4/7/2023	Professional Liability		
		A++g , XV	Travelers Casualty and Surety Company	UB8R112544	1/27/2023	1/27/2024	Workers Comp		
Risk Profile :	Standard - Professional Servi	ices							
Required Additional Insured :	Pairn Beach County Board of	County Commission	iers						
Ownership Entity :									

Page 1 of 1