



April 11, 2017

Carmen Olazabal, P.E.
Public Works Department
Town of Miami Lakes
6601 Main Street, Suite 208
Miami Lakes, FL 33104
olazabal@miamilakes-fl.gov

Re: Professional Consulting Services for the Townwide Bicycle and Pedestrian Improvements Project

Dear Ms. Olazabal:

Per your request, we respectfully submit this proposal letter in accordance with the Local Agency Program requirements for the project of reference. Marlin Engineering, Inc. proposes to provide the services identified below pursuant to the Professional Services Agreement provided by the Town of Miami Lakes (the Town) for Civil Engineering services, dated April 19, 2012.

I. General

The project will consist of designing a Complete Street where feasible, including bicycle lanes, sidewalk and crosswalk improvements within the limits of the two corridors as denoted below;

- NW 60th Avenue from NW 139th Street to Miami Lakes Drive
- NW 151st / 153rd Street from Miami Lakeway N. to Miami Lakes Drive

The sidewalk improvements shall be in accordance with the American with Disabilities Act (ADA).

The scope of work outlines the effort required for the production of the construction documents which will be in accordance with FDOT Plans Preparation Manual, FDOT Florida Greenbook, FDOT Standard Specifications for Road and Bridge Construction, FDOT Design Standards and FDOT LAP Manual Guidelines.

II. Scope of Work

Task 1 – Pre-Design Services, Survey and Testing

- a) Geotechnical Services (a) Double Ring Infiltrometer Testing for swale drainage and (b) (Pavement Corings including a Milling and Resurfacing Recommendation along NW 60th Avenue. The Milling and Resurfacing Recommendation to be reviewed and approved by the Town)
 1. Field Investigation
 2. Engineering, Technical Services and Report Preparation
 3. Signed and Sealed Report to be Provided to the Town of Miami Lakes.

- b) Refer to Survey Proposed Scope of Services hereinafter.

Task 2 – Local Agency Program Documentation

Marlin Engineering shall document all impacts of the proposed project through the NEPA process. All impacts will be categorized in accordance with a Class of Action to be determined by FHWA or FDOT during the NEPA process. The level of documentation required will be in accordance with the FDOT PD&E Manual. The NEPA process shall be concurrent to the design activities and conclude prior to 100% submittal. Marlin Engineering shall coordinate with FDOT and prepare all required NEPA documentation for this project.

Task 3, 4 and 5 – 60% and 100% Plans which will include the following activities;

- a) **(60% Submittal)** - Pavement Design – Prepare a Pavement Design Memorandum in accordance with the Town of Miami Lakes and Miami Dade County Standards.
- b) **(60% Submittal)** - Horizontal/Vertical Geometry Design – Establish the master design file for the horizontal and vertical geometry, drainage structure features, utilities (including conflict location identification and adjustments).
- c) **(60% Submittal)** - Drainage Analysis – Perform calculations and analysis to ensure that water quality and quantity requirements as stipulated by DRER and SFWMD are satisfied due to the additional impervious area.
- d) **(60, 100% Submittals)** - Traffic Control Analysis- Develop general notes and phasing details for Maintenance of Traffic
- e) **(60, 100% Submittals)** - Signing and Pavement Markings – Establish the master design file for signing and pavement markings.
- f) **(60, 100% Submittals)** - Calculation of quantities – Calculate quantities of construction items and tabulate.
- g) **(60, 100% Submittals)** - Construction cost estimate – Prepare a construction cost estimate for task 4 & 5 to be included in 60% and 100% percent submittal documents.
- h) **(60, 100% Submittals)** - Quality Control and Peer Review – Perform quality control and peer review of contract documents. If requested by the Town of Miami Lakes, a copy of the marked up set of plans and/or specifications will be provided showing the consultant's QC review on each scheduled deliverable. The submittals shall include the name of the consultant staff that performed the QC review for each component.
- i) **(60, 100% Submittals)** - Prepare a complete contract set of plans including
 - 1. Key Sheet
 - 2. Tabulation of Quantities
 - 3. General Notes
 - 4. Plan Sheets
 - 5. Traffic Control Notes/Phasing Sheet
 - 6. Signing and Pavement Marking Sheets
 - 7. Special Detail Sheets – Drainage and ADA Ramps
- j) **(100% Submittal)** - Specification Package Preparation – Prepare specifications and bid documents for the project as required by the FDOT
- k) **(60, 100% Submittals)** - Utility Coordination – Coordinate with utility owners for facilities within project limits and certify clearance for construction.



- l) **(60, 100% Submittals)** - Marlin to provide interagency and permitting coordination between the Town of Miami Lakes, Miami Dade County and the Florida Department of Transportation.

Task 6 – Post Design

A total of 80 hours Post Design Services which include 4 hours for attendance at the pre-construction meeting, 36 hours for responses to two requests for information (RFI's) per month, 8 hours to review two sets of shop drawings, 8 hours one set of design revisions, and 24 hours for monthly field meetings. A construction duration estimate of 6 months is used develop the aforementioned hours.

a) Subconsultants

The below listed subconsultants will assist in the performance of the Work.

Subconsultant Name	Specialty or Expertise
Geosol	Geotechnical Engineering

-Deliverable: Signed and Sealed Geotechnical Report.

b) Schedule of Work – Time of Performance

The anticipated length of service shall be thirty six (36) weeks commencing after the Notice to Proceed. Consultant shall submit the Deliverables and perform the Work as depicted in the table below.

SCHEDULE OF DELIVERABLES			
Task or Activity ID#	Major Task, Sub-Task, Activity, or Deliverables	Duration	Delivery Date
	Planning, Assessment and Survey	12 weeks	+12
	Final Submittal (60% Plans)	12 weeks	+24
	Review by the Town, FDOT and Miami Dade	4 weeks	+28
	100% Plans and Permits	4 weeks	+32
	Review by FDOT-Production Complete	4 weeks	+36

c) Compensation

Consultant shall perform the work detailed in this Proposal for a Total fee of \$ 213,602 and 62 cents. The Town shall not be liable for any fee, cost, expense or reimbursable expense or other compensation beyond this amount unless approved in a supplemental work order.



SUMMARY OF COMPENSATION			
Task or Activity ID #	Task Name and/or Activity Description	Fee Amount	Fee Basis
	Roadway, Signing and Pavement Marking	\$161,070.81	Lump Sum
	Post Design	\$12,133.25	Lump Sum
	Surveying	\$28,073.63	Hourly Rate, Not to Exceed
	Geotechnical Investigation	\$12,324.93	Hourly Rate, Not to Exceed

d) Additional Services

Additional services and unforeseen circumstances beyond established scope shall be negotiated in good faith and at the sole discretion of the Town.


e) Data Provided by the Town

The following information or documents are to be provided by the Town, if available: As-built information including survey and geotechnical information.

f) Project Manager

Consultant's Project Manager for this Project will be

Submitted by:


 Jose Santiago, P.E.
 Marlin Engineering

Reviewed and approval in concept recommended by:

 Department Director

 Procurement Manager

 Town Manager



TOWN OF MIAMI LAKES

Consultant Fee Proposal Worksheet

Consultant Name: **Marlin Engineering, Inc.**

Contract No.:

Date: 4/11/2017

Work Order No:

Project: **Town of Miami Lakes Transportation Alternatives Program - Sidewalk Improvements to NW 60th Ave and NW 151/153 St**

Project No.: Description:

STAFF CLASSIFICATION

Job Classification Assigned Staff Approved Rate	Project Manager Jose Santiago Rate: \$54.81		Senior Engineer Rafael Lagos Rate: \$58.82		Senior Designer Raul Dominguez Rate: \$37.75		Senior Designer Adelis Caban Rate: \$37.75		Designer Elias Diaz Rate: \$31.34		Utility Coordinator Roxana Matamoros Rate: \$36.05		Construction Sr Insp German Sanchez Rate: \$ 36.05		Staff Hours	Salary	Average
Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	By Task	Cost By Task	Rate Per Task
1 TASK 1: DATA COLLECTION, SURVEY, GEOTEC																	
2 Field Reviews	2	\$110	4	\$235	12	\$453									18	\$798	\$44.33
3 Subconsultant Coordination	2	\$110			6	\$227									8	\$336	\$42.02
4 Utility Coordination											100	\$3,605			100	\$3,605	\$36.05
5 TASK 2: NEPA DOCUMENTATION	12	\$658	16	\$941	24	\$906	64	\$2,416							116	\$4,921	\$42.42
6 TASK 3: CONCEPTUAL DESIGN 30% PLANS																	
7 Roadway Analysis			24	\$1,412	70	\$2,643									94	\$4,054	\$43.13
9 Drainage Analysis			18	\$1,059	36	\$1,359									54	\$2,418	\$44.77
10 Signing and Pavement Markings Analysis			24	\$1,412	56	\$2,114									80	\$3,526	\$44.07
11 Plan Set Production & Quality Control	4	\$219	24	\$1,412	28	\$1,057			127	\$3,975					183	\$6,663	\$36.44
12 TASK 4: CONSTRUCTIBILITY 60% PLANS																	
13 Roadway Analysis			12	\$706	56	\$2,114									68	\$2,820	\$41.47
14 Drainage Analysis			24	\$1,412	48	\$1,812									72	\$3,224	\$44.77
15 Signing and Pavement Markings Analysis			6	\$353	32	\$1,208									38	\$1,561	\$41.08
16 Construction Quantities & Cost Estimate			8	\$471	28	\$1,057									36	\$1,528	\$42.43
17 Plan Set Production & Quality Control	4	\$219	24	\$1,412	32	\$1,208			60	\$1,880					120	\$4,719	\$39.33
18 TASK 5: CONSTRUCTION DOCS 100% PLANS																	
19 Roadway Analysis			12	\$706	32	\$1,208									44	\$1,914	\$43.50
20 Drainage Analysis			2	\$118	16	\$604									18	\$722	\$40.09
21 Signing and Pavement Markings Analysis			8	\$471	16	\$604									24	\$1,075	\$44.77
22 Construction Quantities & Cost Estimate	4	\$219	16	\$941	40	\$1,510									60	\$2,670	\$44.51
23 Plan Set Production & Quality Control	10	\$548	24	\$1,412	48	\$1,812			48	\$1,504					130	\$5,276	\$40.59
24 Specification Package Preparation	2	\$110	20	\$1,176	2	\$76									24	\$1,362	\$56.73
25 Permitting	8	\$438	12	\$706	32	\$1,208									52	\$2,352	\$45.24
26 TASK 6: POST DESIGN SERVICES																	
27 Post Design	4	\$219	\$52	\$3,059	24	\$906									80	\$4,184	\$52.30
Total Staff Hours	52		330		638		64		235		100				1,419		
Total Staff Cost		\$2,850.12		\$19,410.60		\$24,084.50		\$2,416.00		\$7,359.32		\$3,605.00				\$59,725.54	\$42.10

Total % of Work by Position

3.7%

23.3%

45.0%

4.5%

16.6%

7.0%

Note: Fee for the Principal(s) of the firm are not to be included above as the multiplier is not applicable to their hours. The fee is to be shown below and entered as a separa

Estimate of Principal's Fee

Total hours **\$90.00** / hour = \$ -

Notes:

- This sheet is to be used by Prime Consultant to calculate the Grand Total Fee and one is to be used for each Subconsultant
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden
- Where applicable the basis for work activity descriptions shall be the FICE/FDOT Standard Scope and Staff Hour Estimation Handbook.
- Enter the multiplier value in the field after the word "multiplier" Maximum of 2 decimal points.

1 - SUBTOTAL ESTIMATED FEE: multiplier 2.90

Survey Fee **Marlin Engineering Survey**

Geotechnical Field/Lab **Geosol**

Subconsultant: **Sub 3**

Subconsultant: **Sub 4**

Principal's Fee **Ramon Soria**

2 - SUBTOTAL ESTIMATED FEE:

Geotechnical Field/Lab Testing:

Survey Fee (or Survey Crew Fee):

Other Misc. Fee: **Enter Fee Description**

3 - SUBTOTAL ESTIMATED FEE:

Additional Services (Allowance)

Reimbursables (Allowance)

GRAND TOTAL ESTIMATED FEE:

\$173,204.06

\$28,073.63

\$12,324.93

\$ -

\$213,602.62

\$213,602.62

\$213,602.62



MARLIN

February 24, 2017

Carmen Olazabal, P.E

Public Works Manager

Town of Miami Lakes

Re: NW 60 AVE

Dear Carmen Olazabal:

Pursuant to your request and information that I have the following proposal for surveying related services in connection with the above captioned project is hereby proffered for your consideration:

PROPOSED SCOPE OF SERVICES:

Marlin Engineering, Inc. will perform Survey related services for the above captioned project

SURVEY:

Recognition field effort area
Recovery/Establish control points in the area designated
Establish State Plane Coordinates by Static Method
Conventional Traverse
Transfer NGVD 29 Elevation to the site area
Topographic Survey in NAD83/90 Horizontal Data
Establish ROW Lines

SPECIFICATIONS:

All field data with the exception of electronic data will be recorded in field books.
This is a Topographic Survey
All fees within this proposal are based on performing each task one time only. Additions or modifications to the scope, as well as resulting CAD and Project Management time, will be invoiced per attached hourly Rate Schedule, unless fees for said additions and modifications are requested
All electronic data will be provided in a CD containing the AutoCAD drawing
Zoning/Building setbacks, leases, and easements are information that the client has to provide to Marlin Engineering Inc by the Public Work Department
All underground utilities are not locating.
All vertical information for Drainage and Sanitary Structural are not part of this survey

This Project shall be performed with reference to the following coordinate datum:

Horizontal Datum: NAD83/90

Vertical Datum: NGVD 29

Units: U.S. Survey foot



QUALIFICATIONS:

- 1- All Procedures in connection with this project will be performed in strict accordance with the applicable negotiation between Town of Miami Lakes and Marlin Engineering, Inc
- 2- As always, Marlin Engineering Inc is prepared to commence upon receipt of your written approved.
- 3- This estimate is based on information provided by Town of Miami Lakes
- 4- This estimate is a lump sum price payment that will be based on actual work authorized.

ESTIMATED FEE:

Our estimated fee to perform the services as requested by the Department, subject to the Qualifications as stated herein, shall be a Lump Sum Amount, not to exceed **\$15,428.64** as base on the following attached rate schedule.

3 Man Survey Crew	10.00 days at \$975.00 per day
Senior Surveyor	8.0 hour at \$120.58 per hours
Cadd Operator	40.0 hour at \$ 69.97 per hours
Survey Technician	40.0 hour at \$ 47.88 per hours

On behalf of MARLIN ENGINEERING Inc, I thank you again, for the opportunity to work with you on this important project.



Sincerely,

Marlin Engineering, Inc.

Lazaro E. Fleitas, P.S.M.

Survey Department Manager

The above agreement is hereby acknowledged and Marlin Engineering, Inc. is authorized to proceed with the above requested services.

Signed: _____ Date: _____

Title: _____





MARLIN

February 24, 2017

Carmen Olazabal, P.E

Public Works Manager

Town of Miami Lakes

Re: NW 151 ST / NW 153 ST

Dear Carmen Olazabal:

Pursuant to your request and information that I have the following proposal for surveying related services in connection with the above captioned project is hereby proffered for your consideration:

PROPOSED SCOPE OF SERVICES:

Marlin Engineering, Inc. will perform Survey related services for the above captioned project

SURVEY:

Recognition field effort area
Recovery/Establish control points in the area designated
Establish State Plane Coordinates by Static Method
Conventional Traverse
Transfer NGVD 29 Elevation to the site area
Topographic Survey in NAD83/90 Horizontal Data
Establish ROW Lines

SPECIFICATIONS:

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This is a Topographic Survey
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All electronic data will be provided in a CD containing the AutoCAD drawing
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QUALIFICATIONS:

- 1- All Procedures in connection with this project will be performed in strict accordance with the applicable negotiation between Town of Miami Lakes and Marlin Engineering, Inc
- 2- As always, Marlin Engineering Inc is prepared to commence upon receipt of your written approved.
- 3- This estimate is based on information provided by Town of Miami Lakes
- 4- This estimate is a lump sum price payment that will be based on actual work authorized.

ESTIMATED FEE:

Our estimated fee to perform the services as requested by the Department, subject to the Qualifications as stated herein, shall be a Lump Sum Amount, not to exceed **\$12,649.99** as base on the following attached rate schedule.

3 Man Survey Crew	8.00 days at \$975.00 per day
Senior Surveyor	8.0 hour at \$120.58 per hours
Cadd Operator	35.0 hour at \$ 69.97 per hours
Survey Technician	30.0 hour at \$ 47.88 per hours

On behalf of MARLIN ENGINEERING Inc, I thank you again, for the opportunity to work with you on this important project.

Sincerely,



Marlin Engineering, Inc.

Lazaro E. Fleitas, P.S.M.

Survey Department Manager

The above agreement is hereby acknowledged and Marlin Engineering, Inc. is authorized to proceed with the above requested services.

Signed: _____ Date: _____

Title: _____



GEOSOL, INC.
REVISED FEE PROPOSAL FOR GEOTECHNICAL SERVICES
Miami Lakes Bicycle/Pedestrian Improvements on:

- 1) NW 151/153 St. (from Miami Lakeway North to NW 154th St.)
 2) NW 60th Ave. (from NW 154th St. to NW 139th St.)

GEOSOL PROPOSAL No. P-217115-R2

DESCRIPTION

UNITS # OF UNIT TOTAL
 UNITS RATE (\$) \$

1. FIELD INVESTIGATION

Mobilization of Truck Mounted Drill Rig	day	1	\$366.01	\$366.01
Cones, Sign, Flags Baricades	each	4	\$222.79	\$891.16
Double Ring Infiltration (DRI) Testing	each	4	\$425.00	\$1,700.00
Asphalt Payment Coring on NW 60th Ave (3 Cores)	each	3	\$92.30	\$276.90
Roadway Borings: 4 to 5 ft. for Stratification at DRI test + 3 to 2 ft. @ Pav't Core locations for Base & Stab. Check	feet	26	\$11.50	\$299.00
Grout Seal Boreholes	feet	26	\$4.51	\$117.26

SUB-TOTAL (FIELD EXPLORATION PROGRAM)

\$3,650.33

2. LABORATORY TESTING

Natural Moisture Test	each	6	\$ 10.08	\$60.48
Grain Size Analysis - (Full Gradation without Wash thru -200 Sieve)	each	2	\$ 47.74	\$95.48
Fine Content Determination (Wash thru -200 Sieve)	each	2	\$ 25.57	\$51.14
Organic Content Test by Loss on Ignition	each	2	\$ 33.95	\$67.90
Atterberg Limits	each	2	\$ 58.35	\$116.70

SUB-TOTAL (LABORATORY TESTING PROGRAM)

\$391.70

SUB-TOTAL (FIELD EXPLORATION + LABORATORY PROGRAMS)

\$4,042.03

3. ENGINEERING, TECHNICAL SERVICES & REPORT PREPARATION (Refer to Attached Man-Hour Forecast)

Senior Engineer	hour	15	\$127.80	\$1,917.00
Project Engineer	hour	53	\$98.88	\$5,240.64
Senior Engineering Technician	hour	15	\$64.25	\$963.72
CADD Technician	hour	2	\$58.85	\$117.70
Secretarial Clerical	hour	1	\$43.85	\$43.85

SUB-TOTAL (ENGINEERING SERVICES)

\$8,282.90

TOTAL GEOTECHNICAL FEES FOR PROJECT

\$12,324.93

Project Activity 30: Geotechnical

Estimator: Oracio Riccobono, P.E. (GEOSOL, Inc.)

Miami Lakes Bicycle/Pedestrian Improvements

Date: 2/22/2017 (Revised 3/16/2017 & 4/11/2017)

LAP Project

Task No.	Task	Units	No of Units	Hours / Unit	Total Hours	Comments
Roadway						
30.1	Document Collection and Review	LS	1	2	2	Project Engineer
30.2	Develop detailed boring location plan	LS	1	1	1	Project Engineer
30.3	Stake Borings/Utility Clearance	Boring	7	1	7	Sr. Eng. Technician; 4 Double Ring Infiltration Testing for Swale Drainage Design at rate of 1 per 500 feet (6 on NW 151/153 Stree + 8 on NW 60th Ave.) with 5-foot deep borings for stratification of soils plus 3 pavement cores on NW 60th Avenue with 2-foot deep borings for Base & Stabilization measurements.
30.4	Coordinate and develop MOT plans for field investigation	EA	2	4	8	Project Engineer
30.5	Drilling Access Permits	Location	2	4	8	Project Engineer
30.6	Property Clearances	EA	0	0	0	
30.7	Groundwater Monitoring	EA	0	0	0	
30.8	LBR Sampling	EA	0	0	0	
30.9	Coordination of Field Work	100 lf of boring	0.26	2	1	Project Engineer
30.10	Soil and Rock Classification - Roadway	100 lf of boring	0.26	2	1	Project Engineer
30.11	Determine Design LBR	LS	0	0	0	
30.12	Tabulate all Laboratory Data	100 lf of boring	0.26	2	1	Project Engineer
30.13	Estimate Seasonal High Water Table	Boring	7	0.25	2	Project Engineer
30.14	Calculate Parameters for Water Retention Areas (Data Reduction)	EA	7	0.75	5	Project Engineer
30.15	Delineate limits of Unsuitable Material	Cross-section	0	0	0	
30.16	ASCII files for cross-sections	100 lf of boring	0	0	0	
30.17	Embankment settlement and Stability	Embankment Boring	0	0	0	
30.18	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	
30.19	Geotechnical Recommendations	LS	1	6	6	Senior Engineer
30.20	Preliminary Roadway Report and Pavement Evaluation Report	LS	1	8	8	Project Engineer
30.21	Final Report	EA	1	12	12	Project Engineer
30.22	Auger boring drafting	100 lf boring	0.26	10	3	2 Hours for CADD Technician + 1 for Secretary
30.23	SPT boring drafting	100 lf boring	0	0	0	
Roadway Geotechnical Subtotal					65	
Structural						
30.24	Develop detailed boring location plan	LS	0	0	0	
30.25	Stake Borings/Utility Clearance	Boring	0	0	0	
30.26	Coordinate and develop MOT plans for field investigation	EA	0	0	0	
30.27	Drilling Access Permits	Location	0	0	0	
30.28	Property Clearances	EA	0	0	0	
30.29	Collection of corrosion samples	EA	0	0	0	
30.30	Coordination of Field Work	100 lf of boring	0	0	0	

Project Activity 30: Geotechnical

Task No.	Task	Units	No of Units	Hours / Unit	Total Hours	Comments
30.31	Soil and Rock Classification - Structures	100 lf of boring	0	0	0	
30.32	Tabulate all Laboratory Data	100 lf of boring	0	0	0	
30.33	Estimate Design groundwater level for structures	EA	0	0	0	
30.34	Evaluation and Selection of Foundation Alternatives (BDR)	Bridge boring	0	0	0	
30.35	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	0	0	0	
30.36	Bridge Construction and Testing Recommendations	Bridge boring	0	0	0	
30.37	Lateral Load Analysis	Bridge boring	0	0	0	
30.38	Walls	Wall Boring	0	0	0	
30.39	Sheetpile wall Analysis	Wall Boring	0	0	0	
30.40	Design soil parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical recommendations.	Boring	0	0	0	
30.41	Box Culvert Analysis	EA	0	0	0	
30.42	Preliminary Report - BDR	EA	0	0	0	
30.43	Final Report - Bridge and associated walls	EA	0	0	0	
30.44	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights.	EA	0	0	0	
30.45	SPT boring drafting	100 lf of boring	0	0	0	
30.46	Other Geotechnical	LS	1	8	8	Sr. Eng. Technician; 1-man crew for MOT Set-Up - for 2 day @ 4 hours/day.
Structural Geotechnical Subtotal					8	
Geotechnical Technical Subtotal					73	
30.47	Specification Development and Review (TSP)	EA	0	0	0	
30.48	Field Reviews	LS	1	4	4	Project Engineer
30.49	Technical Meetings	LS	0	0	0	
30.50	Quality Assurance/Quality Control	LS	%	4.0%	3	Senior Engineer
30.51	Supervision	LS	%	4.0%	3	Senior Engineer
Geotechnical Nontechnical Subtotal					10	
30.52	Coordination	LS	%	4.0%	3	Senior Engineer
30.53	Optional Preliminary Contamination Assessment	LS	0	0	0	
30. Geotechnical Total					86	

Senior Engineer	15
Project Engineer	53
Sr. Engineering Technician	15
C.A.D. Operator	2
Secretary/Clerical	1

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TOWN OF MIAMI LAKES

Consultant Fee Proposal Worksheet

Consultant Name: **GEOSOL, Inc.**
 Contract No.: **Miami Lakes Bicycle/Pedestrian Improvs. (LAP Project)**
 Date: **4/11/2017**
 Work Order No: **Enter number of N/A if not a work order**

Project: **Miami Lakes Bicycle/Pedestrian Improvs. (LAP Project)**
 Project No.:
 Description:

STAFF CLASSIFICATION

Job Classification Assigned Staff Approved Rate	Position Title 1 Senior Engineer Rate: \$53.25		Position Title 2 Project Engineer Rate: \$41.20		Position Title 3 Sr. Eng. Tech Rate: \$26.77		Position Title 4 CADD Tech. Rate: \$24.52		Position Title 5 Secretary/Clerical Rate: \$18.27		Position Title 6 name Rate:		Position Title 7 name Rate:		Staff Hours	Salary	Average
	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	Man hours	Cost/ Task	By Task	Cost By Task	Rate Per Task
1 Geotech Services	15	\$799	53	\$2,184	15	\$402	2	\$49	1	\$18					86	\$3,451	\$40.13
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
Total Staff Hours	15		53		15		2		1						86		
Total Staff Cost		\$798.75		\$2,183.60		\$401.55		\$49.04		\$18.27						\$3,451.21	\$40.13

Total % of Work by Position

17.4%

61.6%

17.4%

2.3%

1.2%

Note: Fee for the Principal(s) of the firm are not to be included above as the multiplier is not applicable to their hours. The fee is to be shown below and entered as a sep:

Estimate of Principal's Fee

Total hours / hour = \$ -

Notes:

1. This sheet is to be used by Prime Consultant to calculate the Grand Total Fee and one is to be used for each Subconsultant
2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden
3. Where applicable the basis for work activity descriptions shall be the FICE/FDOT Standard Scope and Staff Hour Estimation Handbook.

1 - SUBTOTAL ESTIMATED FEE: (multiplier 2.4)

Subconsultant: Enter Name of Sub 1

Subconsultant: Sub 2

Subconsultant: Sub 3

Subconsultant: Sub 4

Principal's Fee (Name of Principal)

2 - SUBTOTAL ESTIMATED FEE:

Geotechnical Field/Lab Testing: (SEE ATTACHED)

Survey Fee (or Survey Crew Fee):

Other Misc. Fee: Enter Fee Description

3 - SUBTOTAL ESTIMATED FEE:

Additional Services (Allowance)

Reimbursables (Allowance)

GRAND TOTAL ESTIMATED FEE:

\$8,282.90

\$8,282.90

\$4,042.03

\$ -

\$12,324.93

\$12,324.93