

Consultant Project Proposal

February 27th, 2017

Dear Ms. Gonzalez:

Marlin Engineering, Inc. proposes to provide the services identified below for the project entitled “NW 67th Avenue at SR 826 – Additional Thru Lane”, pursuant to the Professional Services Agreement provided by the Town of Miami Lakes for Civil Engineering services, dated April 19, 2012.

I. General

The project will primarily consist of the implementation of “Alternative 1” as denoted in the NW 67th Avenue at SR 826 Design Feasibility Study prepared by Marlin Engineering and the Alternative 1 consists of the following;

Alternative 1

- This alternative incorporates an additional thru lane for the northbound movement at the south leg of the intersection of NW 67th Avenue and NW 167th Street.
- The existing concrete island located at the SE quadrant is removed and new pavement provided.
- A 3° deflection is provided at the intersection and the northbound approach is realigned towards the west by using normal crown reverse curves.
- Modification to the existing median, from south of the intersection with NW 167th St to south of the intersection with Windmill Gate Rd., as well as modification to the existing SE quadrant are necessary for this alternative.
- Milling & Resurfacing of the northbound portion of the south leg from approx. 300 feet south of Windmill Gate Road to north of the intersection of NW 67th Avenue and NW 167th Street, and Milling and Resurfacing of the southbound portion of the south leg from just south of Windmill Gate Road to approximate 150’ north of this intersection.
- From preliminary coordination with Miami-Dade County Traffic Signal Division, the existing signal heads at the intersection with NW 167th St can remain as is; only a 3 section head will be added on the upright to control the right turn movement at the intersection.
- Countdown pedestrian features will be added at the intersection with Windmill Gate Road and NW 67th Avenue.
- The Signing and Pavement Markings affected will be upgraded.
- No drainage modification are required for this alternative.

The scope of work outlines the effort required for the production of the construction documents for the implementation of “Alternative 1”.

II. Scope of Work

Task 1 – Pre-Design Services and Testing

- Right Turn Lane Justification Report;
 - A. Data Collection
 - B. Existing Conditions Analysis
 - C. Draft and Final Report Preparation
- Geotechnical Services (Roadway Borings, Standard Penetration Test, and Pavement Cores). Provide a report signed and sealed by a Professional Engineer registered in the State of Florida and shall contain, at a minimum, project vicinity map, plan view showing the location of borings, basis and results of tests performed, detailed description of findings, recommendations, and an executive summary.
- Field Investigation
- Engineering, Technical Services and Report Preparation

A. Topographic Survey

1. Establish horizontal project control on the datum approved by the Town of Miami Lakes.
2. Perform a topographic survey and include the following features: back of sidewalk, front of sidewalk, back of curb, front of curb, flow line, edge of pavement, driveway entrances, exiting utilities, existing trees (location only), existing monuments and existing drainage structures.
3. Provide work zone safety as per Maintenance of Traffic standards approved by the Town.
4. Perform quality control on survey deliverables which will consist of electronic data provided on a CD containing AutoCad drawings signed and sealed by a PLS.

Task 2 – Roadway Analysis and Plans

1. Typical Section Analysis – Establish the typical section through geometric analysis.
2. Pavement Design – Prepare a Pavement Design Memorandum in accordance with the Town of Miami Lakes and Miami Dade County Standards.
3. 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).
4. Traffic Control Analysis- Develop general notes and phasing details for Maintenance of Traffic
5. Signing and Pavement Markings and Signalization Analysis – Establish the master design file for signing and pavement markings and signalization.
6. Calculation of quantities – Calculate quantities of construction items and tabulate.
7. Construction cost estimate – Prepare a construction cost estimate at each submittal.
8. 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 marked up set of plans and/or specifications will be provided showing the Consultant's QC review on each scheduled deliverable. The submittal shall include the names of the Consultant's staff that performed the QC review for each component (e.g., structures, roadway, drainage, etc.).
9. Prepare a complete contract set of plans including
 - A. Key Sheet
 - B. Tabulation of Quantities
 - C. Typical Section Sheet
 - D. General Notes
 - E. Plan Sheets

- F. Traffic Control Notes/Phasing Sheet
- G. Signing and Pavement Marking Sheets
- H. Signalization Sheet
- I. Special Detail Sheets
- 10. Specification Package Preparation – Prepare specifications and bid documents for the project as required by the Town of Miami Lakes and Miami Dade County.
- 11. Utility Coordination – Coordinate with utility owners for facilities within project limits and certify clearance for construction.
- 12. Provide interagency and permitting coordination between the Town of Miami Lakes, Miami Dade County and the Florida Department of Transportation. Permitting coordination shall include preparation of permitting applications and accompanying plans/sketches, submittal to the respective agencies, and obtaining final approval by addressing all comments generated during the permitting process.
- 13. Post Design Services including attendance at the pre-construction meeting, responses to requests for information, review of shop drawings, design revisions, and field meeting.

Task 3 – Construction Administration and Inspection

- 1. Monitor Contractor implementation and compliance with MOT plans along the project.
- 2. Monitor roadway construction and widening by Contractor based on design plans.
- 3. Monitor new asphalt pavement installation and milling and resurfacing by Contractor.
- 4. Monitor the signage and pavement markings installation by Contractor.

Assuming that the construction schedule will be 8 months;
The Construction Project Engineer will perform a site visit 1.5 hours per week and the Construction Senior Inspector will perform a site visit 6 hours per week.

Deliverables include a weekly project progress summary.

Task 4 – Optional Services for Mast Arm at Windmill Gate Road and 67th Avenue

Upon request by the Town of Miami Lakes, perform the following activities. This is an optional task and the Town will provide written notification to exercise this option.

- Structures Analysis for Windmill Gate Road/67th Avenue – Perform structural analysis with the proposed loading tree to ensure that mast arm structures proposed at Windmill Gate Road/67th Avenue at the meet current wind and structural loading criteria. Prepare a mast arm tabulation sheet.
- Signalization Analysis and Plans at Windmill Gate Road/67th Avenue

III. Subconsultants

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

Subconsultant Name	Specialty or Expertise
Geosol	Geotechnical Engineering

IV. Schedule of Work – Time of Performance

The anticipated length of service shall be eight (8) months 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, Sub-Task or Activity ID	Major Task, Sub-Task, Activity, or Deliverables	Duration	Delivery Date
	Initial Submittal (50% Plans) – Permitting review	8 weeks	+8 weeks
	Review by the Town, FDOT and Miami Dade County	8 weeks	+16 weeks
	Final Submittal (90% Plans) – Permitting review	4 weeks	+20 weeks
	Review by the Town, FDOT and Miami Dade County	8 weeks	+28 weeks
	100% Plans and Executive Summary	4 weeks	+32 weeks

V. Compensation

Consultant shall perform the work detailed in this Proposal for a Total fee of 134,180.42 and 42 cents (100). 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. Said fee includes an allowance for Reimbursable Expenses required in connection with the work, which shall not exceed \$0,000.00. Said Reimbursable Expense shall be used in accordance with the Agreement Provisions and shall conform to the limitations of the Florida Statutes 112.061. Said fee includes an optional task that the Town will provide notification to exercise this option.

SUMMARY OF COMPENSATION			
Task or Activity ID #	Task Name and/or Activity Description	Fee Amount	Fee Basis
	Right Turn Lane Justification (Traffic Study)	\$19,382.32	Lump Sum
	Roadway, Signing and Pavement Marking, Signalization	\$51,345.60	Lump Sum
	Construction Administration (Based on a 8 mo schedule)	\$25,559.91	Lump Sum
	Surveying	\$15,021.64	Hourly Rate, Not to Exceed
	Geotechnical Investigation	\$14,148.71	Hourly Rate, Not to Exceed
	Optional Services – Mast arm at Windmill Gate Road	\$8,722.24	Lump Sum

VI. Additional Service

The Town may establish an allowance for additional services requested by the Town and for unforeseen circumstances, which shall be utilized at the sole discretion of the Town.


VII. 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.

VIII. PROJECT MANAGER

Consultant's Project Manager for this Project will be



Jose Santiago, P.E.
Marlin Engineering

Submitted by:

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: 2/27/2017

Work Order No:

Project: **NW 67th Avenue at SR 826 - Additional Thru Lane**

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 Carlos Gonzalez Rate: \$37.75		CADD Technician Elias Diaz Rate: \$29.15		Utility Coordinator Alex Quevedo Rate: \$36.05		Construction Proj Eng Miguel Soria Rate: \$39.42		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	Task	Task	Task
1 Typical Section Analysis	1	\$55	2	\$118	5	\$189									8	\$361	\$45.15
2 Pavement Design			2	\$118	6	\$227									8	\$344	\$43.02
3 Horizontal/Vertical Geometry	1	\$55	16	\$941	15	\$566									32	\$1,562	\$48.82
4 Traffic Control Analysis			4	\$235	16	\$604									20	\$839	\$41.96
5 Signing and Pavement Marking Analysis			1	\$59	3	\$113									4	\$172	\$43.02
6 Signalization Analysis - 167th							4	\$117							4	\$117	\$29.15
7 Calculation of Quantities			8	\$471	16	\$604									24	\$1,075	\$44.77
9 Construction Cost Estimate	1	\$55	1	\$59	6	\$227									8	\$340	\$42.52
10 Field Reviews					12	\$453									12	\$453	\$37.75
11 Quality Control and Peer Review	8	\$438													8	\$438	\$54.81
12																	
13 Key Sheet					6	\$227									6	\$227	\$37.75
14 Tabulation of Quantities			2	\$118	6	\$227	8	\$233							16	\$577	\$36.08
15 Typical Section Sheet	1	\$55	1	\$59	8	\$302	6	\$175							16	\$591	\$36.91
16 General Notes	1	\$55	1	\$59	4	\$151	2	\$58							8	\$323	\$40.37
17 Roadway Plan Sheets (2 sheets)	1	\$55	7	\$412	16	\$604	6	\$175							30	\$1,245	\$41.52
18 Signing and Pavement Marking Sheets	1	\$55	4	\$235	24	\$906	11	\$321							40	\$1,517	\$37.92
19 Signalization Sheet - 167th	1	\$55	2	\$118	7	\$264									10	\$437	\$43.67
20 Special Detail Sheets			1	\$59	3	\$113	4	\$117							8	\$289	\$36.08
21 Structures Analysis	4	\$219	4	\$235	32	\$1,208									40	\$1,663	\$41.56
22 Specification Package Preparation	2	\$110	6	\$353	16	\$604	8	\$233							32	\$1,300	\$40.62
23 Utility Coordination	1	\$55	3	\$176	4	\$151			40	\$1,442					48	\$1,824	\$38.01
24 Permitting	4	\$219			14	\$529	14	\$408							32	\$1,156	\$36.12
25																	
26 Post Design Services	1	\$55	4	\$235	15	\$566									20	\$856	\$42.82
27 Construction Administration											48	\$1,892	192	\$6,922	240	\$8,814	\$36.72
Total Staff Hours	28		69		234		63		40		48		192		674		
Total Staff Cost		\$1,534.68		\$4,058.58		\$8,833.50		\$1,836.45		\$1,442.00		\$1,892.16		\$6,921.60		\$26,518.97	\$39.35

Total % of Work by Position

4.2%

10.2%

34.7%

9.3%

5.9%

7.1%

28.5%

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:

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.
4. 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: **Marlin Engineering RT Lane Study**
Subconsultant: **Optional Services**
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:

\$76,905.01
\$15,021.64
\$14,148.71
\$19,382.32
\$8,722.74
\$ -
\$134,180.42
\$134,180.42
\$134,180.42



January 10, 2017

Carmen Olazabal

Public Works Manager

Town of Miami Lakes

Re: NW 67 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
Conventional Traverse
Establish elevation by differential level run in NAVD 88
Topographic Survey in NAD83/90 Horizontal Data

SPECIFICATIONS:

All field data with the exception of electronic data will be recorded in field books.
This is a Topographic Survey
This not a Boundary 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: NAVD 88

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 ^{Town} ~~Marlin Engineering, Inc~~, subject to the Qualifications as stated herein, shall be a Lump Sum Amount, not to exceed **\$15,021.64** as base on the following attached rate schedule.

3 Man Survey Crew	12.0 days at	\$975.94 per day
Senior Surveyor	8.0 hour at	\$120.58 per hours
Cadd Operator	20.0 hour at	\$ 69.97 per hours
Survey Technician	20.0 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
TOWN OF MIAMI LAKES ROADWAY IMPROVEMENTS
NW 67th Avenue at SR 826/Palmetto Expressway

GEOSOL PROPOSAL No. P-217103-R1

DESCRIPTION

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

1. FIELD INVESTIGATION

Mobilization of Truck Mounted Drill Rig	each	1	\$366.01	\$366.01
Cones, Sign, Flags Baricades	day	2	\$222.79	\$445.58
Roadway Borings: 8 to 5 ft. in depth + 4 SPT Boring to 20 ft. + 3 Pavement Core to 2 ft. with Base & Stab. Check	each	126	\$11.50	\$1,449.00
Asphalt Pavement Cores (Excludes MOT)	each	3	\$92.30	\$276.90
Grout Seal Boreholes	feet	126	\$4.51	\$568.26

SUB-TOTAL (FIELD EXPLORATION PROGRAM)

\$3,105.75

2. LABORATORY TESTING

Natural Moisture Test	each	2	\$ 10.08	\$20.16
Grain Size Analysis - (Full Gradation without Wash thru -200 Sieve)	each	6	\$ 47.74	\$286.44
Fine Content Determination (Wash thru -200 Sieve)	each	6	\$ 25.57	\$153.42
Organic Content Test by Loss on Ignition	each	6	\$ 33.95	\$203.70
Atterberg Limits	each	2	\$ 58.35	\$116.70

SUB-TOTAL (LABORATORY TESTING PROGRAM)

\$780.42

SUB-TOTAL (FIELD EXPLORATION + LABORATORY PROGRAMS)

\$3,886.17

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

Senior Engineer	hour	20	\$127.80	\$2,556.00
Project Engineer	hour	54	\$98.88	\$5,339.52
Senior Engineering Technician	hour	27	\$64.25	\$1,734.70
CADD Technician	hour	10	\$58.85	\$588.48
Secretarial Clerical	hour	1	\$43.85	\$43.85

SUB-TOTAL (ENGINEERING SERVICES)

\$10,262.54

TOTAL GEOTECHNICAL FEES FOR PROJECT

\$14,148.71

Project Activity 30: Geotechnical

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

TOWN OF MIAMI LAKES ROADWAY IMPROVEMENTS

Date: 02/20/2017

NW 67th Avenue at SR 826/Palmetto Expressway

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	15	1.25	19	Sr. Eng. Technician; 8 Roadway Borings to 5 ft in depth + 4 SPT Boring to 20 ft + 3 Pavement Core with Base & Stab. Check
30.4	Coordinate and develop MOT plans for field investigation	EA	1	4	4	Project Engineer
30.5	Drilling Access Permits	Location	1	4	4	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	1.26	4	5	Project Engineer
30.10	Soil and Rock Classification - Roadway	100 lf of boring	1.26	4	5	Project Engineer
30.11	Determine Design LBR	LS	0	0	0	
30.12	Tabulate all Laboratory Data	100 lf of boring	0	0	0	
30.13	Estimate Seasonal High Water Table	Boring	0	0	0	
30.14	Calculate Parameters for Water Retention Areas (Data Reduction)	EA	15	1	15	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	8	8	Senior Engineer
30.20	Preliminary Roadway Report and Pavement Evaluation Report	LS	1	8	8	Project Engineer
30.21	Final Report	EA	1	6	6	Project Engineer
30.22	Auger boring drafting	100 lf boring	1.26	9	11	8 Hours for CADD Technician + 1 for Secretary
30.23	SPT boring drafting	100 lf boring	0	0	0	
Roadway Geotechnical Subtotal					88	
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					96	
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%	4	Senior Engineer
30.51	Supervision	LS	%	4.0%	4	Senior Engineer
Geotechnical Nontechnical Subtotal					12	
30.52	Coordination	LS	%	4.0%	4	Senior Engineer
30.53	Optional Preliminary Contamination Assessment	LS	0	0	0	
30. Geotechnical Total					112	

Senior Engineer	20
Project Engineer	54
Sr. Engineering Technician	27
C.A.D. Operator	10
Secretary/Clerical	1

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TOWN OF MIAMI LAKES

Consultant Fee Proposal Worksheet

Consultant Name: **GEOSOL, Inc.**
 Contract No.: **NW 67th Ave at SR 826 Roadway Improvs.**
 Date: **2/20/2017**
 Work Order No: **Enter number of N/A if not a work order**

Project: **NW 67th Ave at SR 826 Roadway Improvs.**
 Project No.:
 Description:

STAFF CLASSIFICATION

Job Classification Assigned Staff Approved Rate	Position Title 1 Senior Engineer		Position Title 2 Project Engineer		Position Title 3 Sr. Eng. Tech		Position Title 4 CADD Tech.		Position Title 5 Secretary/Clerical		Position Title 6 name		Position Title 7 name		Staff Hours	Salary	Average
	Rate: \$53.25		Rate: \$41.20		Rate: \$26.77		Rate: \$24.52		Rate: \$18.27		Rate:		Rate:		By	Cost By	Rate Per
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	Task	Task	Task
1 Geotech Services	20	\$1,065	54	\$2,225	27	\$723	10	\$245	1	\$18					112	\$4,276	\$38.18
2																	
3																	
4																	
5																	
6																	
7																	
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24																	
25																	
26																	
27																	
Total Staff Hours	20		54		27		10		1						112		
Total Staff Cost		\$1,065.00		\$2,224.80		\$722.79		\$245.20		\$18.27						\$4,276.06	\$38.18
Total % of Work by Position	17.9%		48.2%		24.1%		8.9%		0.9%								

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:

\$10,262.54

\$10,262.54

\$3,886.17

\$ -

\$14,148.71

\$14,148.71

TOWN OF MIAMI LAKES

Consultant Fee Proposal Worksheet

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

Contract No.:

Date: **2/23/2017**

Work Order No:

Project: **NW 67 Avenue and SR 826 - Additional Thru Lane/ Traffic Study for Windmill Gate Rt Turn Ln**

Project No.:

Description:

	STAFF CLASSIFICATION																
Job Classification Assigned Staff Approved Rate	Project Manager		Senior Traffic Eng		Project Engineer		CADD Technician		Engineering Tech		Senior Planner				Staff Hours	Salary	Average
	Rate:	\$54.81	Rate:	\$40.24	Rate:	\$31.73	Rate:	\$29.15	Rate:	\$15.45	Rate:	\$45.15	Rate:	\$-	By	Cost By	Rate Per
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	Task	Task	Task
1 Data Collection	8	\$438			44	\$1,396			48	\$742					100	\$2,576	\$25.76
2 Existing Conditions Analysis	16	\$877			32	\$1,015			24	\$371					72	\$2,263	\$31.43
3 Draft and Final Report Preparation	8	\$438			37	\$1,174			15	\$232					60	\$1,844	\$30.74
4																	
5																	
6																	
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25																	
26																	
27																	
Total Staff Hours	32				113				87						232		
Total Staff Cost		\$1,753.92				\$3,585.49				\$1,344.15						\$6,683.56	\$28.81

Total % of Work by Position 13.8%

48.7%

37.5%

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 separately

Estimate of Principal's Fee

_____ Total hours **\$90.00** / 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.
4. 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 T **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:

\$19,382.32

\$ -

\$19,382.32

\$19,382.32

\$19,382.32

Consultant Fee Proposal Worksheet

Contract No.:

Work Order No:

Project No.:

Description:

Total % of Work by Position	9.1%	9.1%	81.8%
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Estimate of Principal's Fee

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

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.
4. Enter the multiplier value in the field after the word "multiplier" Maximum of 2 decimal points.

GRAND TOTAL ESTIMATED FEE:

	\$8,722.74
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