

March 29, 2024
Revision: May 3, 2024

Darlin Perez
Chief of Engineering
City of Doral Public Works Department
8401 NW 53rd Terrace
Doral, FL 33166

Re: Professional Consulting Services for design services for pavement markings at several locations

Dear Ms. Perez:

Marlin Engineering, Inc. proposes to provide engineering design, and preparation of construction documents, and contract documents, pursuant to the Continuing Professional Services Agreement provided by the City of Doral ("City") for Professional General Engineering and Architectural Services, RFQ 2023-08 dated April 4th, 2024.

I. General

The scope of work consists of providing pedestrian crosswalk markings and, the creation of new pavement markings to delineate parking spaces or a central turning lane. Milling and resurfacing will also be conducted within the designated areas. The locations and limits are specified below:

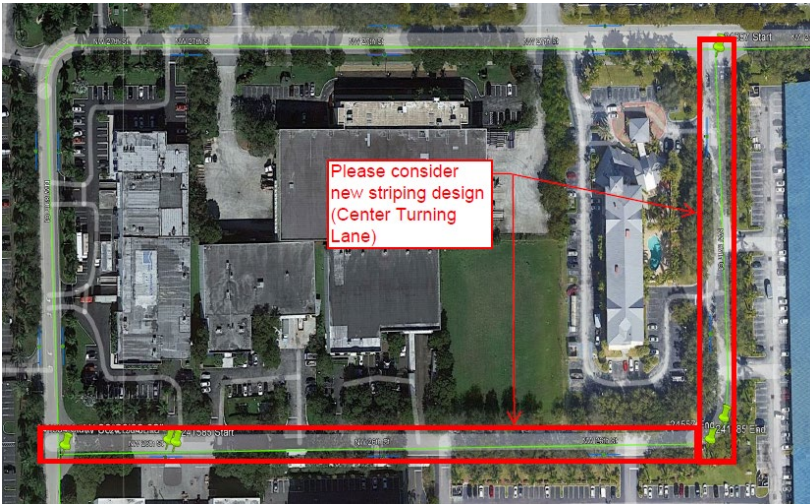
Location 1- NW 112 Ave and NW 88 St- Proposed pedestrian crosswalk.



Location 2- NW 17 St and NW 82 Ave: New pavement markings to delineate parking spaces on the north side.



Location 3- NW 26 St from NW 89 Ct to NW 87 Ct and NW 87 Ct from NW 26 St to NW 27 St: New pavement markings to delineate parking spaces on the south and east sides respectively.



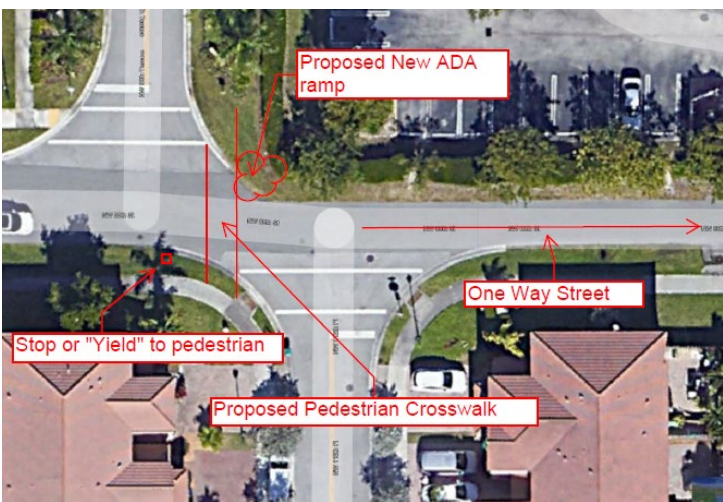
Location 4 - NW 83 St and NW 112 Ct and NW 112 Ave and NW 83 St: Proposed high emphasis pedestrian crosswalks.



Location 5- NW 109 Ave and NW 88 St: Proposed high-emphasis pedestrian crosswalk and new ramp.



Location 6- NW 88 St and NW 112 Pl: Proposed pedestrian crosswalk. Milling and resurfacing the east-west area.



Location 7- NW 89 Ct and NW 35 Ln: Proposed new lane markings with combined chevrons. Milling and resurfacing is required.



Location 8- NW 93 Ct and NW 12 St: Refurbish all existing markings on NW 93 Ct.



Location 9- NW 29 St from NW 87 Ave to NW 84 Ave: Proposed new lane markings with center turning lane or parking spaces if allows. Milling and resurfacing is required.



Location 10- NW 33 St from NW 82 Ave to NW 79 Ave: Proposed new lane markings with center turning lane or parking spaces if allows. Milling and resurfacing is required.



Please consider new striping design (Center Turning Lane), NW 33rd street between 82nd avenue & 79th avenue.

The scope of work outlines the effort required for the production of the construction documents by the City of Doral and Miami Dade County Standards and Specifications.

Scope of Services: The scope of work outlines the effort required for the production of the construction documents for the entire project.

Task 1- Pre-Design services

- 1.1- **Survey-** Topographic survey of NW 83 St and NW 112 Ct (Location 4). and include the following features: back and front of sidewalk, back and front of curb, flow line, edge of pavement, driveway entrances, existing utilities, existing trees (location only), and existing drainage structures.
- 1.2- **Field Assessments-** A field review will be performed to confirm the data collected on existing features including, but not limited to ADA ramps conditions respectively including a photo record. Development of a survey at all locations from aerials.
- 1.3- **Project General Tasks-** Project Management and coordination with the City of Doral and permitting agencies.

Task 2– Design Plans

- 2.1- **Project General Tasks – 30% Plans-** Prepare preliminary design plans for the proposed improvements for review and comments by the City of Doral.
 - a) Prepare a complete contract set of smart plans consisting of:
 1. Key Sheet
 2. Summary of Pay Items
 3. General Notes
 4. Plan Sheets include Roadway and Signing and Pavement Markings
 5. Quantities
 - b) Permitting – Permit will be required from the Miami-Dade County Department of Transportation and Public Works (DTPW) traffic division. Permitting fees are not included in this proposal and are the responsibility of the city.
 - c) Construction Cost Estimate – Prepare a construction cost estimate to be included with the 30% and 100% submittal documents.
 - d) Quality Control and Peer Review – Perform quality control and peer review of contract documents. If



requested by the City of Doral, 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.

The plans will outline the following improvements: asphalt milling and resurfacing (as per Pavement design from the city), and pavement markings as required. No road reconstruction is included in this proposal.

- Deliverables for this Task will include:
- 30% Construction Plans Package (11”x 17”)
 - 30% Engineer’s Construction Estimate

Task 2.2- 100% Plans-

- a) Incorporate the review comments from 30% of plan submissions into 100% of plans.
- b) Submit the 100% plans for City review. Once all comments are addressed, or if no comments or corrections are necessary, then submit the final signed and sealed construction documents and specifications to the city.

Deliverables for this Task will include:

- 100% construction documents.
- Final signed and sealed construction documents.
- Updated construction cost estimate.

Schedule of Work – Time of Performance

The anticipated length of services for tasks 1- 2 commencing after the Notice to Proceed. MARLIN shall submit the Deliverables and perform the Work as depicted in the tables below.

Task or Activity ID#	Major Task, Sub-Task, Activity, or Deliverables	Anticipated Delivery Date
1	Pre-Design Survey	1 week after NTP
2.1	30% Plans	8 weeks after NTP
	Review by the City	1 week
2.2	100% Plans include a review by DTPW	8 weeks

MARLIN will provide the City with the Services defined in the Scope section above. The anticipated Notice to Proceed for these Services is TBD.

II. Compensation

Consultant shall perform the work detailed in this Proposal for a Total fee of \$ 50,564.95. The City 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

MARLIN

Task or Activity ID #	Task Name and/or Activity Description	Fee Amount	Fee Basis
1	Survey	\$3,881.15	Time & Material/Not to Exceed
1,2	Field Assessment/Development of Survey	\$11,572.00	Time & Material/Not to Exceed
1,2	Project Management	\$2,938.00	Time & Material/Not to Exceed
2.1	30% Plans/Permitting	\$14,510.00	Time & Material/Not to Exceed
2.2	100% Plans/Permitting	\$17,664.00	Time & Material/Not to Exceed
	Total	\$50,564.95	

- **Exclusions from Basic Services-** Utility Investigation (SUE), Survey, Geotech, and Post Design

III. Additional Services

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

IV. City Furnished Documents & Data

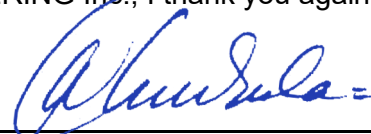
The following information or documents are to be provided by the City, if available: As-built information

V. Project Manager

Consultant's Project Manager for this Project will be Ms. Aysel Freda, P.E.

Marlin Engineering Inc. appreciates the opportunity to submit this scope and Fee Estimate and we look forward to being of service. If you have any questions concerning this proposal, do not hesitate to contact us. On behalf of MARLIN ENGINEERING Inc., I thank you again, for the opportunity with you on this important project.

Submitted by:



Aysel Freda, P.E.
Director of Business
Development
Marlin Engineering, Inc

Reviewed and approved in concept recommended by:

Darlin Perez P.E- Chief of Engineering

CITY OF SOUTH MIAMI

Consultant Fee Proposal Worksheet

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

Contract No.:

Date: 5/3/2024

Work Order No:

Project: **Several locations**

Project No.:

Description: **Milling and Resurfacing_ New Pavement Markings**

STAFF CLASSIFICATION

Job Classification Assigned Staff Approved Rate	Project Manager		Senior Engineer		Project Engineer		CADD Technician								Staff Hours By Task	Salary Cost By Task	Average Rate Per Task
	Rate: \$257.80		Rate: \$238.40		Rate: \$199.85		Rate: \$125.15		Rate:		Rate:		Rate:				
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 Field Assessment / Development of Survey	4	\$1,031	18	\$4,291	20	\$3,997	18	\$2,253							60	\$11,572	\$192.87
2 Project Management	4	\$1,031	8	\$1,907											12	\$2,938	\$244.87
3 Plans- 30%	6	\$1,547	16	\$3,814	32	\$6,395	22	\$2,753							76	\$14,510	\$190.92
4 Plans- 100%	6	\$1,547	20	\$4,768	38	\$7,594	30	\$3,755							94	\$17,664	\$187.91
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Total Staff Hours	20		62		90		70								242		
Total Staff Cost		\$5,156.00		\$14,780.80		\$17,986.50		\$8,760.50								\$46,683.80	\$192.91
Total % of Work by Position	8.3%		25.6%		37.2%		28.9%										

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 separate line item.

Estimate of Principal's Fee

_____ Total hours _____ / 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 1.00

additional Services (All

Survey Fee (or Survey (

Subconsultant:

Subconsultant:

Principal's Fee

2 - SUBTOTAL ESTIMATED FEE:

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

3 - SUBTOTAL ESTIMATED FEE:

Additional Services (Allowance)

Reimbursables (Allowance)

GRAND TOTAL ESTIMATED FEE:

\$46,683.80
\$3,881.15
\$ -
\$50,564.95
\$50,564.95
\$50,564.95

**Survey
NW 83 St and NW 112 Ct
City of Doral**

Description	Senior Surveyor		Survey Technician		3-Man Crew (8hr Day)		Total
	\$202.62		\$116.26		\$1,697.22		
Research & calc base map			2				\$232.52
Research H/V Control; Check Traverse & Bench run	2		2				\$637.76
Recon Control; Complete traverse & Bench run					0.5		\$848.61
Perform topographic survey; data to include back/front of sidewalk, back/front of curb, flow line, edge of Pavement, exiting above ground visible utilities, exiting trees location only and drainage structures.			4		1		\$2,162.26
Prepare survey & DTM (CADD file and paper survey 11"x17")							\$0.00
Subtotal:							
Total:							\$3,881.15

2	0	8	0	1.5	0
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